

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SPECTROGRAPHIC ANALYSES OF SUBSURFACE
CAMBRIAN WHOLE-ROCK SAMPLES
FROM SOUTHERN MISSOURI

By

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CONTENTS

	Page
Introduction-----	1
Location-----	1
Preparation and analysis of samples-----	1
Description of samples-----	4
Explanation of data-----	5
References-----	6

FIGURES

Figure 1---Index map showing line of section and location and number of drill holes from which samples were analyzed in the present study. Modified from Kurtz, et al. (1975)-----	2
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---

TABLES

Table 1.--List of drill holes from which samples have been analyzed in the present study-----	3
--------------------------------------------------------------------------------------------------	---

2-12.--Spectrographic analyses of whole-rock samples from:	
2.--Drill hole no. 96-----	7
3.--Drill hole no. 97-----	17
4.--Drill hole no. 98-----	27
5.--Drill hole no. 99-----	35
6.--Drill hole no. 100-----	45
7.--Drill hole no. 101-----	53
8.--Drill hole no. 95-----	61
9.--Drill hole no. 77-----	67
10.--Drill hole no. 86-----	75
11.--Drill hole no. 102-----	81
12.--Drill hole no. 85-----	85

INTRODUCTION

Geochemical studies of subsurface Cambrian strata in the Rolla $1^{\circ} \times 2^{\circ}$ topographic quadrangle, Missouri, have shown strong contrasts in regional geochemical distribution and abundance patterns that demonstrate a close relationship to known trends of ore mineralization (Erickson, Mosier, and Viets, 1978; Erickson, Mosier, Viets, and King, 1979). The availability of whole-rock and insoluble-residue samples from drill holes along a traverse extending from the St. Francois Mountains to northeastern Oklahoma, and a detailed published study (Kurtz et al., 1975) of the subsurface stratigraphy and lithology of Cambrian units along that traverse were the encouraging factors to extend subsurface geochemical studies along the same line. The results and implications of these studies have been previously reported (Erickson et al., 1981). The spectrographic results of whole-rock samples from this study are presented in the present paper. The spectrographic results of insoluble-residue samples are presented in an accompanying open-file report (Mosier, Erickson, and McDanal, in press).

LOCATION

In this study, samples of Upper Cambrian sedimentary rocks from 15 drill holes were analyzed spectrographically. Thirteen of the holes are located on a traverse about 400 km long that extends from the St. Francois Mountains in Missouri southwestward through Arkansas to northeastern Oklahoma, and the other two holes are about 43 km southeast of the traverse in Ozark County, Missouri (Fig. 1). A list of the analyzed drill holes showing Missouri log number, county, and location (Table 1) allows correlation with the stratigraphic logs on file at the Missouri Department of Natural Resources, Division of Geology and Land Survey in Rolla, Missouri.

Drill holes number 2, 10, and 51 are included as a part of this study; however, analytical data for these drill holes have been previously reported and, therefore, are not included here (Mosier, Viets, and McDanal, 1978; Mosier, Viets, Siems, and McDanal, 1978; Viets, Mosier, Erickson, and McDanal, 1979). No spectrographic analyses were made on whole-rock samples from drill hole no. 103.

PREPARATION AND ANALYSIS OF SAMPLES

The samples were pulverized to minus 140-mesh (0.105 mm) in a vertical grinder with ceramic plates.

Each sample was analyzed semiquantitatively for 31 elements using a six-step, direct-current arc optical-emission spectrographic method (Grimes and Marranzino, 1968).

The semiquantitative spectrographic values are reported as six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.2, 0.15, and multiples of 10 of these numbers) and are approximate geometric midpoints of the concentration ranges. The precision is shown to be within one adjoining reporting interval on each side of the reported values 83 percent of the time and within two adjoining intervals on each side of the reported value 96 percent of the time (Motooka and Grimes, 1976).

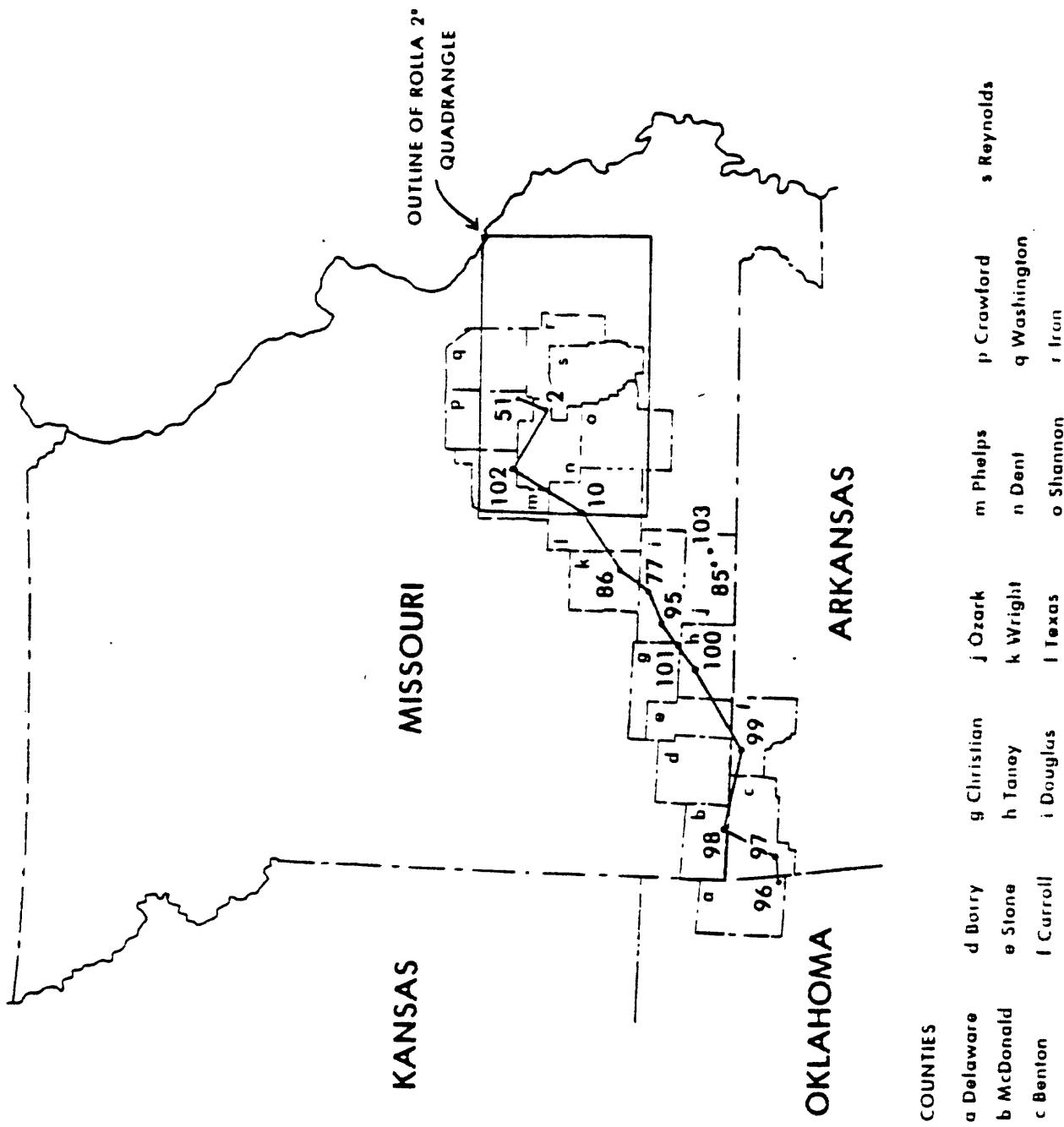


Fig. 1. Index map showing line of section and location and number of drill holes from which samples were analyzed in the present study. Modified from Kurtz, et al. (1975).

Table 1.--List of drill holes from which samples have been analyzed in the present study

Drill hole number	Missouri log number	Country and State	Location Sec., T., and R.
2	20975 23193	Dent, Mo.-----	26, 34 N., 3 W.
10	25824	Texas, Mo.-----	25, 32 N., 10 W.
51	26096	Crawford, Mo.-----	14, 35 N., 2 W.
77	25822	Douglas, Mo.-----	24, 27 N., 15 W.
85	27496	Ozark, Mo.-----	32, 23 N., 12 W.
86	25828	Wright, Mo.-----	16, 29 N., 13 W.
95	25825	Douglas, Mo.-----	24, 26 N., 17 W.
96	26078	Delaware, Okla.-----	22, 21 N., 25 E.
97	26042	Benton, Ark.-----	25, 19 N., 33 W.
98	25812	McDonald, Mo.-----	28, 21 N., 31 W.
99	25823	Carroll, Ark.-----	30, 21 N., 25 W.
100	25827	Taney, Mo.-----	15, 24 N., 20 W.
101	25826	Christian, Mo.-----	33, 25 N., 18 W.
102	26041	Phelps, Mo.-----	36, 36 N., 7 W.
103	17452 15454	Ozark, Mo.-----	19, 23 N., 11 W.

The visual lower limits of determination for the 31 elements included in the present report are as follows:

For those given in percent:

Calcium	0.05
Iron	0.05
Magnesium	0.02
Titanium	0.002

For those given in parts per million:

Antimony	100	Molybdenum	5
Arsenic	200	Nickel	5
Barium	20	Niobium	20
Beryllium	1	Scandium	5
Bismuth	10	Silver	0.5
Boron	10	Strontium	100
Cadmium	20	Thorium	100
Chromium	10	Tin	10
Cobalt	5	Tungsten	50
Copper	5	Vanadium	10
Gold	10	Yttrium	10
Lanthanum	20	Zinc	200
Lead	10	Zirconium	10
Manganese	10		

DESCRIPTION OF SAMPLES

Each sample is identified by an eight-character code. The first three numbers signify the USGS hole number (for example, 077 = hole 77; 085 = hole 85, and so forth). These three numbers are followed by a capital letter, W or U, which indicates washed (W) or unwashed (U) whole rock. The last four digits identify the depth of the sample (in feet) from the drill-hole collar. Each sample is a composite of 10 feet of drill core above the depth indicated.

The stratigraphic unit of the sample is identified by a coded number in the first column (analytical tables) following the sample number. The code and formation names are as follows:

<u>code</u>	<u>formation</u>
11	Precambrian rocks
12	Lamotte Sandstone ¹
13	Bonnetrre Formation
14	Davis Formation
15	Derby-Doe Run ² Formation
16	Potosi Dolomite
17	Eminence Dolomite
18	Gunter Sandstone Member of Gasconade Dolomite
19	Gasconade Dolomite (part)
20	Roubidoux Formation
28	Jefferson City Formation
29	Cotter Formation
37	Post-Cotter formations

EXPLANATION OF DATA

The columns in the analytical tables have headings of sample, formation, and elements. Columns in which the element heading is preceded by an S contain the emission-spectrographic data. The prefix AA in the zinc column heading indicates that the results were determined by atomic absorption. Iron, magnesium, calcium, and titanium are reported in percent (%); all other elements are in parts per million. Other symbols shown on the tables are:

N = Not detected at the level of detection;
-- = Not determined;
< = Detected, but below the lowest limit of detection, which is value shown; and
> = Greater than value shown.

Elements that were not detected in any of the samples of a sample set are not reported in the tables.

¹Term Reagan Sandstone used in drill holes 96, 97, 98 and 99

²As used by McCracken, (1961).

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TABLE 2.--Spectrographic analyses of whole-rock samples from drill hole no. 96.

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-TO	S-NB	S-NI
096W0020	37	.13	.50	15.30	.003	150	30	N	N	10	<5	N	N	N	<5	<5
096W0030	37	.05	.20	>20.30	.002	200	N	N	N	15	<5	N	N	N	<5	<5
096W0040	37	<.05	.10	15.30	<.002	100	10	N	N	<10	<5	N	N	N	<5	<5
096W0050	37	.05	.10	10.30	<.002	100	30	N	N	10	<5	N	N	N	<5	<5
096W0060	37	.05	.10	15.30	.002	100	30	N	N	10	<5	N	N	N	<5	<5
096W0070	37	.05	.15	15.30	<.002	200	15	N	N	15	<5	N	N	N	<5	<5
096W0080	37	<.05	.05	10.30	<.002	150	10	N	N	<10	<5	N	N	N	<5	<5
096W0090	37	.20	.10	>20.30	<.002	300	15	N	N	15	<5	N	N	N	10	10
096W0100	37	<.05	.05	10.30	<.002	100	20	N	N	10	5	N	N	N	<5	<5
096W0110	37	<.05	.05	10.30	.003	150	20	N	N	<10	<5	N	N	N	<5	<5
096W0120	37	<.05	.07	7.30	<.002	70	50	N	N	<10	5	N	N	N	5	5
096W0130	37	.05	.07	7.30	.002	100	50	N	N	<10	<5	N	N	N	7	7
096W0140	37	.10	.05	15.30	.003	100	30	N	N	<10	5	N	N	N	10	10
096W0150	37	.10	.10	10.30	.005	100	30	N	N	<10	5	N	N	N	7	7
096W0160	37	.10	.10	15.30	.005	150	30	N	N	<10	<5	N	N	N	7	7
096W0170	37	.15	.10	20.30	.005	150	30	N	N	15	5	N	N	N	5	5
096W0180	37	.10	.20	15.30	.002	200	30	N	N	10	5	N	N	N	7	7
096W0190	37	.15	.07	>20.30	.007	500	20	N	N	15	5	N	N	N	10	10
096W0200	37	.20	.30	>20.30	.010	300	<10	N	N	10	10	N	N	N	20	20
096W0210	37	.30	.150	>20.30	.015	300	10	N	N	7	10	N	N	N	20	20
096W0220	37	1.50	1.50	>20.30	>1.50	500	50	N	N	10	10	N	N	N	20	20
096W0230	37	1.00	.70	>20.30	>0.50	500	20	N	N	15	20	N	N	N	20	20
096W0240	37	.70	1.50	>20.30	>1.00	500	30	N	N	5	50	N	N	N	15	15
096W0250	37	3.00	1.00	1.50	.300	200	70	N	N	2.0	20	N	N	N	50	50
096W0260	37	3.00	1.00	1.50	.300	200	70	N	N	2.0	20	N	N	N	70	70
096W0270	37	5.00	1.00	.30	.300	200	100	N	N	3.0	30	N	N	N	70	70
096W0280	37	5.00	1.00	.50	.300	200	100	N	N	2.0	30	N	N	N	50	50
096W0290	37	3.00	1.50	.30	.300	200	100	N	N	3.0	30	N	N	N	100	100
096W0300	37	3.00	1.00	.30	.300	200	100	N	N	3.0	30	N	N	N	70	70
096W0310	37	2.00	1.00	.20	.200	100	70	N	N	3.0	15	N	N	N	50	50
096W0320	37	<.05	.02	.27	.002	<10	10	N	N	N	N	N	N	N	20	N
096W0330	37	.05	.02	.27	.003	10	10	N	N	N	N	N	N	N	<5	<5
096W0340	37	.12	.02	.15	.007	<10	10	N	N	N	N	N	N	N	10	10
096W0350	37	.30	.00	15.30	.020	200	50	N	N	1.0	.5	N	N	N	10	10
096W0360	37	.30	.00	20.30	.030	300	30	N	N	<20	.5	N	N	N	<5	<5
096W0370	37	.30	.00	15.30	.050	200	50	N	N	2.0	1.0	N	N	N	10	10
096W0380	37	.30	.00	15.30	.015	300	30	N	N	<20	N	N	N	N	15	15
096W0390	37	.50	.00	15.30	.050	200	50	N	N	<20	1.0	N	N	N	10	10
096W0400	37	.50	.00	20.30	.030	200	30	N	N	20	<1.0	N	N	N	15	15
096W0410	37	.30	.00	20.30	.020	300	20	N	N	<20	N	<5	N	N	7	7
096W0420	37	1.00	.00	15.30	.070	200	50	N	N	70	1.5	N	N	N	15	15
096W0430	37	.20	.00	15.30	.005	200	20	N	N	<20	N	<10	N	N	<5	<5
096W0440	37	.15	.00	20.30	.010	200	30	N	N	<20	N	<10	N	N	<5	<5
096W0450	37	.20	.00	20.30	.003	200	50	N	N	<20	N	<5	N	N	7	7
096W0460	37	.15	.00	15.30	.003	200	50	N	N	<20	N	<10	N	N	<5	<5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
096W0020	<10	N	100	<10	15	N	N	20
096W0030	<10	<5	150	<10	30	N	N	15
096W0040	N	N	100	<10	10	N	N	10
096W0050	N	N	N	<10	<10	N	N	5
096W0060	N	N	100	<10	10	N	N	5
096W0070	N	N	150	<10	15	N	N	10
096W0080	N	N	100	<10	10	N	N	10
096W0090	N	N	200	10	30	N	N	5
096W0100	N	N	<100	10	10	N	N	5
096W0110	N	N	100	10	10	N	N	5
096W0120	N	N	100	10	<10	N	N	5
096W0130	N	N	100	<10	10	N	N	<5
096W0140	N	N	150	15	15	N	N	5
096W0150	N	N	150	10	15	N	N	5
096W0160	N	N	150	10	15	N	N	80
096W0170	N	N	150	15	15	N	N	10
096W0180	N	N	150	10	20	N	N	10
096W0190	N	N	150	15	30	N	N	10
096W0200	10	5	150	15	20	<10	10	15
096W0210	15	5	150	10	20	10	10	25
096W0220	20	10	200	30	30	N	N	15
096W0230	<10	5	150	15	20	N	N	20
096W0240	10	7	200	30	30	N	N	25
096W0250	30	10	<100	100	30	100	100	100
096W0260	30	15	N	150	20	100	100	120
096W0270	>0	15	N	100	20	N	N	100
096W0280	30	10	N	100	20	N	N	100
096W0290	50	15	N	150	30	N	N	115
096W0300	50	15	N	150	30	N	N	120
096W0310	50	7	N	100	15	300	150	125
096W0320	N	N	N	<10	N	N	N	150
096W0330	N	N	N	<10	N	N	N	15
096W0340	N	N	N	<10	10	N	N	<5
096W0350	10	N	100	15	<10	N	N	15
096W0360	<10	5	150	15	N	N	N	20
096W0370	10	5	N	15	N	N	N	30
096W0380	10	<5	100	10	20	N	N	10
096W0390	10	<5	150	20	30	N	N	5
096W0400	<10	N	150	15	N	N	N	30
096W0410	<10	N	150	15	N	N	N	20
096W0420	15	N	150	30	N	N	N	30
096W0430	N	N	150	<10	N	N	N	5
096W0440	N	N	150	10	N	N	N	<10
096W0450	<10	N	100	15	N	N	N	5
096W0460	N	N	100	<10	N	N	N	5

Sample	Form	S-FE%	S-IMG%	S-CA%	S-T1%	S-MN	S-B	S-BA	S-CR	S-CU	S-BE	S-CO	S-MO	S-LA	S-NB	S-NI
096W0470	37	.15	5.00	10.00	<.002	150	<10	<20	N	N	N	N	N	N	N	<5
096W0480	29	.15	5.00	15.00	.003	200	15	N	N	N	N	N	N	N	N	N
096W0490	29	.30	5.00	20.00	.010	200	20	N	N	N	N	N	10	5	5	5
096W0500	29	.15	5.00	15.00	.010	200	30	N	N	N	N	N	<10	<5	<5	<5
096W0510	29	.15	5.00	15.00	.010	200	20	N	N	N	N	N	<10	<5	<5	<5
096W0520	29	.10	5.00	15.00	.010	150	20	N	N	N	N	N	10	5	5	5
096W0530	29	.20	5.00	15.00	.010	150	20	N	N	N	N	N	10	5	5	5
096W0540	29	.30	5.00	15.00	.020	200	50	N	N	N	N	N	15	7	7	7
096W0550	29	.20	5.00	15.00	.020	200	50	N	N	N	N	N	15	5	5	5
096W0560	29	.50	5.00	15.00	.020	200	50	N	N	N	N	N	15	5	5	5
096W0570	29	.70	5.00	15.00	.020	100	70	<20	10	N	N	N	20	5	5	5
096W0580	29	.30	5.00	15.00	.030	150	30	20	10	N	N	N	15	5	5	5
096W0590	29	.10	3.00	10.00	<.002	150	10	<20	10	N	N	N	<10	<5	<5	<5
096W0600	29	.30	7.00	20.00	.015	200	20	<20	<10	N	N	N	15	5	5	5
096W0610	29	.15	5.00	20.00	.020	300	30	N	N	N	N	N	10	<5	<5	<5
096W0620	29	.15	7.00	15.00	.020	150	30	N	N	N	N	N	10	7	7	7
096W0630	29	.20	5.00	15.00	.005	100	50	N	N	N	N	N	10	5	5	5
096W0640	29	.15	3.00	20.00	.007	200	30	N	N	N	N	N	10	5	5	5
096W0650	29	.30	7.00	>20.00	.002	100	20	N	N	N	N	N	15	7	7	7
096W0660	29	.20	3.00	15.00	.030	100	30	N	N	N	N	N	15	5	5	5
096W0670	29	.20	5.00	20.00	.020	150	30	N	N	N	N	N	10	<5	<5	<5
096W0680	29	.20	5.00	15.00	.015	100	30	N	N	N	N	N	10	5	5	5
096W0690	29	.20	5.00	20.00	.030	200	50	N	N	N	N	N	20	10	10	10
096W0700	29	.30	7.00	15.00	.030	150	20	N	N	N	N	N	15	7	7	7
096W0710	29	.30	5.00	15.00	.020	200	20	N	N	N	N	N	10	5	5	5
096W0720	29	.50	5.00	20.00	.070	150	50	70	10	N	N	N	30	10	7	7
096W0730	24	.30	5.00	15.00	.020	150	15	N	N	N	N	N	10	5	5	5
096W0740	24	.30	5.00	15.00	.050	200	30	100	<10	N	N	N	20	7	7	7
096W0750	29	.30	7.00	>20.00	.030	200	30	N	N	N	N	N	15	7	7	7
096W0760	29	.30	7.00	20.00	.015	150	20	N	N	N	N	N	15	5	5	5
096W0770	29	.70	7.00	20.00	.070	200	30	N	N	N	N	N	10	7	7	7
096W0780	29	.50	7.00	20.00	.030	200	30	N	N	N	N	N	15	7	7	7
096W0790	29	.50	7.00	20.00	.030	200	30	N	N	N	N	N	20	7	7	7
096W0800	29	.20	7.00	20.00	.015	200	30	N	N	N	N	N	10	5	5	5
096W0810	29	.30	7.00	15.00	.020	300	30	N	N	N	N	N	10	5	5	5
096W0820	28	.30	7.00	20.00	.067	500	20	N	N	N	N	N	<10	5	5	5
096W0830	28	.30	7.00	20.00	.020	300	30	N	N	N	N	N	15	5	5	5
096W0840	28	.50	7.00	15.00	.015	300	20	N	N	N	N	N	15	7	7	7
096W0850	28	.50	7.00	10.00	.030	150	30	N	N	N	N	N	20	7	7	7
096W0860	28	.30	7.00	20.00	.015	300	20	N	N	N	N	N	10	5	5	5
096W0870	28	.70	5.00	15.00	.020	500	30	N	N	N	N	N	10	5	5	5
096W0880	28	.30	5.00	>20.00	.020	300	20	N	N	N	N	N	15	5	5	5
096W0890	28	.50	5.00	15.00	.015	300	15	N	N	N	N	N	10	7	7	7
096W0900	28	.20	7.00	15.00	.050	300	20	N	N	N	N	N	15	10	5	5
095W0910	28	.20	3.00	10.00	.010	200	50	N	N	N	N	N	20	5	5	5

Sample	S-PS	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
096WU470	N	N	N	<5	N	N	N	5
096WU480	N	N	N	100	<10	N	N	5
096WU490	N	N	N	100	10	N	<10	5
096WU500	N	N	N	100	<10	N	N	5
096WU510	N	N	N	100	<10	N	N	5
096WU520	N	N	N	100	<10	N	N	5
096WU530	N	N	N	100	<10	10	<5	<5
096WU540	N	N	N	100	10	15	15	5
096WU550	N	N	N	150	10	20	20	5
096WU560	N	N	N	150	10	20	<5	<5
096WU570	<10	N	N	100	15	<10	<10	5
096WU580	N	N	N	100	10	10	<10	<5
096WU590	<10	N	N	<10	N	N	N	<5
096WU600	<10	N	N	150	10	30	30	5
096WU610	15	N	N	150	10	<10	<10	5
096WU620	10	N	N	<100	<10	N	N	5
096WU630	<10	N	N	<10	N	N	N	5
096WU640	<10	N	N	150	10	30	30	5
096WU650	<10	N	N	100	10	10	10	5
096WU660	<10	N	N	<10	N	N	N	<5
096WU670	<10	N	N	100	10	10	10	5
096WU680	<10	N	N	100	10	15	15	5
096WU690	15	N	N	150	15	30	30	5
096WU700	10	N	N	<100	15	10	10	5
096WU710	10	N	N	N	10	15	15	5
096WU720	20	N	N	N	20	20	20	10
096WU730	15	N	N	100	10	15	15	5
096WU740	15	N	N	100	15	15	15	10
096WU750	10	N	N	100	<10	<10	<10	5
096WU760	10	N	N	N	<10	<10	<10	5
096WU770	20	N	N	100	15	30	30	5
096WU780	20	N	N	100	10	20	20	5
096WU790	15	N	N	100	10	10	10	5
096WU800	10	N	N	N	<10	<10	<10	5
096WU810	10	N	N	100	<10	N	N	5
096WU820	10	N	N	100	<10	N	N	5
096WU830	10	N	N	100	10	10	10	5
096WU840	<10	N	N	N	10	20	20	25
096WU850	20	N	N	N	15	50	50	5
096WU860	10	N	N	N	10	N	N	5
096WU870	20	N	N	N	10	20	20	10
096WU880	<10	N	N	150	10	10	10	5
096WU890	<10	N	N	100	10	15	15	5
096WU900	30	N	N	30	30	30	30	10
096WU910	<10	N	N	N	<10	<10	<10	5

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU.	S-LA	S-MO	S-NB	S-NI
096W0920	28	.30	5.00	12.00	.020	150	30	<1.0	5	1.5	7	N	5	10	N	7
096W0930	28	.20	7.00	20.00	.015	200	30	<20	N	5	10	5	5	10	N	7
096W0940	28	.20	7.00	15.00	.020	200	20	50	N	<5	10	5	5	10	<5	<5
096W0950	28	.20	5.00	20.00	.010	150	10	20	N	<10	10	5	5	5	N	7
096W0960	28	.50	5.00	20.00	.050	150	50	100	1.0	5	30	7	N	7	N	7
096W0970	28	.30	5.00	20.00	.015	150	30	20	N	N	15	7	N	7	N	7
096W0980	28	.30	5.00	20.00	.015	200	10	N	N	10	5	5	5	10	<5	<5
096W0990	28	.50	7.00	20.00	.020	150	15	<20	1.0	20	7	7	7	5	5	5
096W1000	28	.20	>20	20.00	.030	200	20	N	<1.0	20	7	5	5	5	N	5
096W1010	28	.20	5.00	15.00	.005	150	15	N	N	<10	5	5	5	N	N	N
096W1020	28	.70	7.00	15.00	.030	200	20	20	N	10	5	5	5	10	10	10
096W1030	23	.30	5.00	15.00	.010	200	30	30	N	10	5	5	5	10	3	3
096W1040	28	.30	7.00	20.00	.015	300	30	N	<1.0	10	5	5	5	20	5	5
096W1050	28	.3C	5.00	20.00	.010	150	50	N	<10	10	5	5	5	20	<5	<5
096W1060	28	.30	5.00	>20.00	.010	300	20	N	N	<10	5	5	5	20	<5	<5
096W1070	28	.3C	7.00	20.00	.010	200	15	N	N	10	5	5	5	10	5	5
096W1080	28	.50	5.00	20.00	.030	200	20	50	1.0	20	7	7	7	10	10	10
096W1090	23	.50	5.00	>20.00	.015	200	10	N	N	10	5	5	5	10	5	5
096W1100	20	.70	5.00	15.00	.020	200	20	20	N	15	7	7	7	7	<5	<5
096W1110	20	.10	3.00	15.00	.003	150	<10	N	N	<10	5	5	5	10	<5	<5
096W1120	20	.20	7.00	>20.00	.005	300	15	<20	N	<10	5	5	5	10	5	5
096W1130	20	.30	7.00	20.00	.020	200	20	50	1.0	20	7	7	7	10	7	7
096W1140	20	.20	.20	7.00	.015	200	20	N	N	15	5	5	5	10	7	7
096W1150	20	.20	.20	7.00	.010	300	20	N	N	15	5	5	5	10	7	7
096W1160	20	.15	7.00	15.00	.007	200	15	N	N	10	5	5	5	10	<5	<5
096W1170	20	.20	5.00	20.00	.015	200	15	N	N	<10	5	5	5	10	5	5
096W1180	20	.15	5.00	15.00	.003	200	<10	N	N	<10	5	5	5	10	<5	<5
096W1190	20	.10	5.00	15.00	<.002	150	N	N	N	<10	5	5	5	10	<5	<5
096W1200	20	.15	7.00	>20.00	.005	200	<10	N	N	<10	5	5	5	10	<5	<5
096W1210	20	.15	7.00	20.00	.005	200	10	N	N	<10	5	5	5	10	<5	<5
096W1220	20	.15	5.00	15.00	<.002	300	20	N	N	<1.0	N	N	N	10	5	5
096W1230	20	.20	5.00	15.00	.007	300	10	N	N	<10	N	N	N	10	5	5
096W1240	20	.07	7.00	15.00	<.002	200	N	N	N	<10	N	N	N	10	<5	<5
096W1250	20	.16	5.00	15.00	.002	200	10	N	N	<10	N	N	N	10	<5	<5
096W1260	20	.15	7.00	20.00	.003	150	N	N	N	<10	N	N	N	10	<5	<5
096W1270	19	.10	5.00	15.00	<.002	70	<10	N	N	1.0	N	N	N	<5	<5	<5
096W1280	19	.10	5.00	15.00	<.002	70	<10	N	N	<1.0	N	N	N	<5	<5	<5
096W1290	19	.10	5.00	15.00	<.002	100	<10	N	N	<1.0	N	N	N	<5	<5	<5
096W1300	19	.10	5.00	20.00	<.002	100	<10	N	N	<1.0	N	N	N	<5	<5	<5
096W1310	19	.15	3.00	15.00	<.002	200	N	N	N	<1.0	N	N	N	<5	<5	<5
096W1320	19	.12	7.00	20.00	.002	200	15	N	N	1.0	N	N	N	<5	<5	<5
096W1330	19	.07	5.00	15.00	<.002	150	N	N	N	<1.0	N	N	N	<5	<5	<5
096W1340	19	.10	5.00	20.00	<.002	150	10	N	N	<1.0	N	N	N	<5	<5	<5
096W1350	19	.10	5.00	15.00	<.002	150	15	N	N	<1.0	N	N	N	<5	<5	<5
096W1360	19	.12	7.00	20.00	.003	300	20	N	N	<1.0	N	N	N	<5	<5	<5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
096W0920	10	<5	N	<100	N	N	10	5
096W0930	10	N	N	<10	N	N	N	5
096W0940	10	N	N	<10	N	20	5	5
096W0950	10	N	N	<10	N	10	5	5
096W0960	10	100	N	<10	N	30	5	5
096W0970	10	N	100	<10	N	N	5	5
096W0980	<10	N	100	<10	N	10	5	5
096W0990	10	N	100	<10	N	15	10	5
096W1000	10	N	150	10	N	15	10	10
096W1010	N	100	100	<10	N	10	10	5
096W1020	20	N	100	15	N	10	10	5
096W1030	N	N	100	<10	N	10	10	5
096W1040	<10	N	150	<10	N	10	10	5
096W1050	<10	N	150	<10	N	10	10	5
096W1060	N	N	150	<10	N	10	10	5
096W1070	<10	N	100	<10	N	15	10	5
096W1080	15	N	100	15	N	10	10	5
096W1090	10	N	100	<10	N	10	10	5
096W1100	15	N	N	10	N	20	10	5
096W1110	N	N	N	<10	N	2	5	5
096W1120	<10	N	100	<10	N	10	10	5
096W1130	10	N	150	15	N	10	10	5
096W1140	10	N	100	<10	N	10	10	5
096W1150	<10	N	100	10	N	10	10	5
096W1160	<10	N	100	<10	N	10	10	5
096W1170	10	N	N	<10	N	2	5	5
096W1180	<10	N	N	<10	N	2	5	5
096W1190	<10	N	N	<10	N	2	5	5
096W1200	N	N	100	<10	N	2	5	5
096W1210	<10	N	100	<10	N	2	5	5
096W1220	N	N	N	<10	N	2	5	5
096W1230	15	N	N	<10	N	2	5	5
096W1240	<10	N	N	<10	N	2	5	5
096W1250	<10	N	N	<10	N	2	5	5
096W1260	10	N	N	<10	N	2	5	5
096W1270	10	N	N	<10	N	2	5	5
096W1280	<10	N	N	<10	N	2	5	5
096W1290	<10	N	N	<10	N	2	5	5
096W1300	N	N	N	<10	N	2	5	5
096W1310	N	N	N	<10	N	2	5	5
096W1320	N	N	N	<10	N	2	5	5
096W1330	N	N	N	<10	N	2	5	5
096W1340	<10	N	N	<10	N	2	5	5
096W1350	<10	N	N	<10	N	2	5	5
096W1360	N	N	N	<10	N	2	5	5

Sample	Form	S-FEE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
096W1570	19	.15	7.00	20.00	.002	300	15	N	N	N	N	<5	N	20	N	N
096W1380	19	.20	5.00	20.00	<.002	300	10	N	N	N	N	<5	N	7	N	N
096W1390	19	.05	5.00	15.00	<.002	70	N	N	N	N	<10	<5	10	5	N	<5
096W1400	19	.15	7.00	>20.00	.002	200	10	N	N	N	N	<5	20	20	N	N
096W1410	19	.15	7.00	20.00	.005	200	<10	N	N	N	N	<5	20	20	N	N
096W1420	19	.20	7.00	20.00	.002	200	20	N	N	N	N	15	5	7	7	N
096W1430	19	.20	7.00	20.00	.010	200	10	N	N	N	N	<10	5	5	<5	N
096W1440	19	.50	5.00	15.00	.020	200	30	N	N	N	N	20	50	50	15	N
096W1450	19	.15	7.00	20.00	.005	150	<10	N	N	N	N	<10	10	30	<5	N
096W1460	19	.15	7.00	15.00	.003	300	<10	N	N	N	N	<10	10	10	N	N
096W1470	19	.15	7.00	15.00	.002	200	<10	N	N	N	N	5	5	5	5	N
096W1480	19	.70	7.00	20.00	.030	150	15	N	N	N	N	20	70	70	10	N
096W1490	19	.05	5.00	15.00	<.002	70	N	N	N	N	N	10	15	15	N	N
096W1500	19	.15	7.00	20.00	<.002	100	N	N	N	N	N	5	30	30	5	N
096W1510	19	.20	5.00	20.00	.010	150	15	N	N	N	N	<10	15	15	5	N
096W1520	19	.15	5.00	20.00	.005	150	<10	N	N	N	N	5	5	5	<5	N
096W1530	19	.20	5.00	20.00	.007	300	<10	N	N	N	N	5	15	15	<5	N
096W1540	19	.20	7.00	20.00	.005	200	10	N	N	N	N	<10	20	20	5	N
096W1550	19	.20	5.00	20.00	.002	200	15	N	N	N	N	<10	5	5	5	N
096W1560	18	.15	5.00	15.00	.005	150	10	N	N	N	N	<5	7	7	5	N
096W1570	18	.10	3.00	10.00	.005	150	20	N	N	N	N	<5	5	5	5	N
096W1580	17	.15	5.00	15.00	.007	150	20	N	N	N	N	10	10	10	5	N
096W1590	17	.20	7.00	>20.00	.007	200	15	N	N	N	N	15	5	7	5	N
096W1600	17	.10	5.00	15.00	<.002	150	<10	N	N	N	N	5	5	5	<5	N
096W1610	17	.30	5.00	15.00	<.002	150	N	N	N	N	N	5	<5	<5	<5	N
096W1620	17	.10	5.00	15.00	<.002	100	70	N	N	N	N	5	N	N	N	N
096W1630	17	.10	5.00	>20.00	<.002	100	<10	N	N	N	N	10	10	15	5	N
096W1640	17	.15	5.00	15.00	.002	70	10	N	N	N	N	10	10	10	N	N
096W1650	17	.10	7.00	>20.00	<.002	100	N	N	N	N	N	5	N	N	N	N
096W1660	17	.10	5.00	15.00	<.002	50	10	N	N	N	N	5	N	N	N	N
096W1670	17	.10	5.00	20.00	<.002	70	15	N	N	N	N	10	<10	10	5	N
096W1680	17	.15	7.00	20.00	.002	70	10	N	N	N	N	10	10	15	5	N
096W1690	17	.10	7.00	20.00	.002	100	10	N	N	N	N	10	10	15	5	N
096W1700	17	.15	7.00	20.00	.003	70	10	N	N	N	N	10	10	15	5	N
095W1710	17	.05	3.00	15.00	<.002	70	N	N	N	N	N	7	7	7	5	N
096W1720	17	.20	5.00	15.00	<.002	70	<10	N	N	N	N	15	15	15	5	N
096W1730	17	1.50	5.00	15.00	.002	70	<10	N	N	N	N	5	30	30	20	N
095W1740	17	.15	3.00	10.00	<.002	50	<10	N	N	N	N	10	30	30	5	N
096W1750	17	.50	7.00	20.00	.015	300	15	N	N	N	N	10	10	15	5	N
096W1760	16	.20	3.00	15.00	.002	100	<10	N	N	N	N	10	20	20	7	N
095W1770	16	.20	7.00	20.00	.015	200	10	N	N	N	N	<1.0	1.0	1.0	<5	N
096W1780	16	.20	3.00	10.00	.020	100	<10	N	N	N	N	20	1.0	1.0	<5	N
096W1790	16	.50	7.00	15.00	.020	300	10	N	N	N	N	30	1.0	1.0	5	N
095W1800	15	.30	3.00	15.00	.010	200	10	N	N	N	N	20	1.5	1.5	5	N
096W1810	15	.70	5.00	15.00	.050	500	15	N	N	N	N	15	1.5	1.5	<5	N

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-LR	AA-ZN
096W1370	N	N	N	<10	N	N	N	10
096W1380	N	N	N	<10	N	N	N	10
096W1390	N	N	N	<10	N	N	N	10
096W1400	<10	N	N	<10	N	N	N	10
096W1410	<10	N	N	100	100	100	100	5
096W1420	15	N	N	100	70	N	20	10
096W1430	10	N	N	100	15	N	<10	10
096W1440	30	N	N	100	50	N	10	15
096W1450	15	N	N	100	10	N	N	35
096W1460	10	N	N	<100	<10	N	N	5
096W1470	<10	N	N	100	<10	N	20	10
096W1480	15	N	N	100	15	N	N	10
096W1490	10	N	N	<10	N	N	N	15
096W1500	<10	N	N	N	<10	N	N	5
096W1510	<10	N	N	<100	10	N	N	5
096W1520	<10	N	N	100	10	N	10	<5
096W1530	<10	N	N	<100	<10	N	<10	10
096W1540	<10	N	N	100	10	N	N	5
096W1550	<10	N	N	100	10	N	N	5
096W1560	<10	N	N	N	<10	N	15	10
096W1570	<10	N	N	N	<10	N	20	5
096W1580	<10	N	N	<100	<10	N	10	15
096W1590	<10	N	N	100	10	N	<10	10
096W1600	<10	N	N	N	<10	N	N	5
096W1610	15	N	N	N	<10	N	N	5
096W1620	10	N	N	N	<10	N	20	5
096W1630	10	N	N	<100	<10	N	10	15
096W1640	70	N	N	N	<10	N	N	5
096W1650	<10	N	N	N	<10	N	N	5
096W1660	N	N	N	N	<10	N	N	5
096W1670	<10	N	N	N	<10	N	N	5
096W1680	10	N	N	N	<10	N	N	5
096W1690	<10	N	N	N	<10	N	N	5
096W1700	10	N	N	N	<10	N	N	5
096W1710	<10	N	N	N	<10	N	N	20
096W1720	20	N	N	N	<10	N	N	15
096W1730	20	N	N	N	<10	N	N	10
096W1740	15	N	N	N	<10	N	N	15
096W1750	20	N	N	N	<10	N	70	5
096W1760	20	N	N	N	<10	N	<10	5
096W1770	30	N	N	N	<10	N	<10	5
096W1780	N	N	N	N	<10	N	20	5
096W1790	30	N	N	N	<10	N	30	5
096W1800	50	N	N	N	<10	N	10	5
096W1810	50	N	N	N	<5	N	50	5

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-IN	S-B	S-HA	S-HE	S-CO	S-CR	S-CU	S-LA	S-VO	S-NB	S-NI
096w1820	15	.50	5.00	15.00	.015	500	N	100	<1.0	N	10	5	N	N	5	
096w1830	15	.50	.5.00	20.00	.020	500	10	200	1.0	N	10	5	N	N	5	
096w1840	15	1.00	5.00	15.00	.100	500	30	500	1.5	N	15	5	50	5	5	
096w1850	15	.70	3.00	15.00	.070	500	30	500	2.0	N	10	<5	50	<5	<5	
096w1860	15	.70	.5.00	20.00	.070	700	20	500	2.0	S	15	5	50	N	5	
096w1870	15	1.00	3.00	15.00	.150	700	30	1,000	3.0	S	15	5	70	<5	N	
096w1880	12	1.50	5.00	15.00	.100	500	50	700	5.0	15	15	50	N	15	N	
096w1890	12	.70	1.50	1.50	.150	200	50	1,000	3.0	10	10	20	70	N	10	
096w1900	12	1.00	.50	.30	.200	50	50	1,500	5.0	10	15	20	100	N	10	
096w1910	12	1.00	.70	.30	.200	30	50	1,600	7.0	15	15	20	70	N	10	
096w1920	12	.70	.50	.20	.150	30	50	1,000	5.0	5	10	<5	70	N	5	
096w1930	12	.50	.50	.20	.150	30	50	1,500	5.0	10	<5	70	N	N	N	
096w1940	12	.50	.30	.10	.120	20	70	700	3.0	N	<10	5	70	N	10	
096w1950	12	.20	.10	.05	.030	10	15	20	1.5	N	<5	50	N	<5	N	
096w1960	12	.30	.10	.07	.150	15	20	20	1.0	N	<10	<5	50	N	20	
096w1970	12	1.50	.20	.07	.300	10	50	200	1.5	N	10	5	70	N	20	
096w1980	12	1.00	.50	.10	.300	100	30	1,500	1.5	5	15	5	70	N	20	
096w1986	12	1.00	.70	.15	.300	50	50	700	1.5	15	5	100	N	5	<20	

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
096w1820	1.5	N	N	<10	<10	N	20	1.5
096w1830	2.0	N	N	<10	10	N	50	5
096w1840	3.0	<5	<100	15	20	N	100	5
096w1850	3.0	<5	<100	10	15	N	150	1.0
096w1860	3.0	<5	<100	<10	20	N	100	1.0
096w1870	3.0	5	<100	15	30	N	200	5
096w1880	5.0	<5	N	15	30	N	150	<5
096w1890	5.0	5	N	15	20	N	200	<5
096w1900	5.0	7	N	20	30	N	1000	<5
096w1910	3.0	7	N	20	30	N	700	<5
096w1920	1.0	<5	N	20	30	N	500	<5
096w1930	1.0	5	N	20	30	N	300	<5
095w1940	1.0	<5	N	20	30	N	1000	<5
096w1950	<1.0	N	N	<10	10	N	300	<5
096w1960	<1.0	N	N	15	20	N	>1000	<5
096w1970	1.0	10	N	30	30	N	>1000	5
096w1980	N	7	N	20	30	N	700	20
096w1986	<10	10	N	30	30	N	500	5

TABLE 3.--Spectrographic analyses of whole-rock samples from drill hole no. 97.

Sample	Form	S-FE%	S-Mg%	S-Ca%	S-Ti%	S-Mn	S-B	S-BrA	S-BE	S-CO	S-CR	S-CU	S-LA	S-Mo	S-NB	S-NI
097W0140	37	5.00	1.00	.50	.300	200	70	300	2.0	.50	70	50	50	50	50	50
097W0150	37	7.00	.1.50	.50	.300	200	50	500	3.0	.30	100	70	50	30	<20	70
097W0160	37	7.00	1.00	.70	.300	200	50	300	2.0	.20	70	70	50	20	<20	70
097W0170	37	5.00	1.50	.30	.200	200	70	500	2.0	.20	150	70	70	20	N	70
097W0180	37	.50	.70	1.00	.150	150	15	70	1.0	<5	15	10	N	7	N	10
097W0190	37	.15	.20	.30	.015	.50	15	20	<1.0	N	N	<5	N	N	N	N
097W0200	37	.50	.70	1.50	.050	150	15	50	1.0	<5	10	5	N	N	7	7
097W0210	37	.70	.00	1.00	.070	200	20	50	1.0	5	30	7	N	N	15	15
097W0220	37	.70	.00	1.00	.070	200	15	50	1.0	<5	30	<5	N	N	10	10
097W0230	37	2.00	.00	1.00	.070	200	20	70	<1.0	7	50	5	70	70	20	20
097W0240	37	.30	.00	7.00	.015	150	15	N	1.0	N	10	5	N	10	<5	<5
097W0250	29	.70	.00	10.00	.070	200	30	70	1.5	5	30	20	N	10	10	10
097W0260	29	.50	.00	15.00	.020	200	15	50	<1.0	N	10	10	N	5	<5	<5
097W0270	29	.15	.00	5.00	<.002	100	<10	N	N	<5	15	5	N	N	N	N
097W0280	29	.30	.00	15.00	.020	150	15	<20	N	N	N	N	10	N	N	N
097W0290	29	.70	.00	10.00	.020	200	30	15	1.5	5	20	7	N	N	10	10
097W0300	29	.50	.00	10.00	.030	150	20	<20	1.0	N	20	7	N	N	N	N
097W0310	29	.30	.00	15.00	.030	200	20	N	<1.0	N	15	10	N	N	N	N
097W0320	29	.20	.00	15.00	.030	200	15	N	<1.0	N	15	7	N	N	<5	<5
097W0330	29	.15	.00	10.00	N	200	10	N	N	<10	7	N	N	N	N	N
097W0340	29	.20	.00	15.00	N	300	10	N	N	N	<10	5	N	20	N	N
097W0350	29	.16	.00	7.00	N	70	10	N	1.0	N	10	5	N	N	<5	<5
097W0360	29	.10	.00	7.00	<.002	100	10	70	N	N	<10	5	N	N	<5	<5
097W0370	29	.30	.00	20.00	.020	100	10	N	N	N	<10	5	N	N	N	N
097W0380	29	.15	.00	20.00	.003	200	20	N	N	N	<10	5	N	N	N	N
097W0390	29	.15	.00	15.00	.020	100	15	N	N	N	N	10	N	N	N	N
097W0400	29	.15	.00	15.00	.005	200	10	N	N	N	7	15	N	N	N	N
097W0410	29	.20	.00	20.00	.015	150	20	N	N	N	7	10	N	N	N	N
097W0420	29	.30	.00	20.00	.030	150	30	N	N	N	15	5	N	N	7	7
097W0430	29	.50	.00	15.00	.020	100	50	20	N	N	N	10	N	N	N	N
097W0440	29	.30	.00	15.00	.030	150	30	N	N	N	15	5	N	N	N	N
097W0450	29	.20	.00	20.00	.015	70	30	N	<20	1.0	N	20	20	N	N	N
097W0460	29	.30	.00	20.00	.030	100	50	N	N	20	N	10	N	N	<5	<5
097W0470	29	1.50	.00	20.00	.050	100	50	N	N	<10	5	N	N	N	7	7
097W0480	29	.30	.00	15.00	.002	200	20	N	N	N	N	N	N	N	N	N
097W0490	29	.50	.00	20.00	.030	100	50	N	N	N	15	7	N	N	<5	<5
097W0500	29	.50	.00	20.00	.030	100	70	N	N	N	15	5	N	N	5	5
097W0510	29	.50	.00	20.00	.050	100	50	<20	N	N	20	5	N	N	7	7
097W0520	29	.70	.00	15.00	.030	100	70	N	N	N	15	5	N	N	7	7
097W0530	29	.30	.00	20.00	.015	100	30	N	N	N	<10	5	N	N	<5	<5
097W0540	29	.15	.00	15.00	.030	70	50	N	N	N	15	7	N	N	10	<5
097W0550	29	.20	.00	20.00	.030	70	50	N	N	N	15	5	N	N	5	<5
097W0560	29	.70	.00	20.00	.050	100	50	N	N	N	20	5	N	N	10	10
097W0570	29	.15	.00	20.00	.020	50	50	N	N	N	15	7	N	N	7	N
097W0580	29	.15	.00	15.00	.005	50	50	N	N	N	<10	5	N	N	<5	<5

Sample	S-PD	S-SR	S-V	S-Y	S-ZR	A-A-Z-N
097W0140	50	10	100	100	20	100
097W0150	50	15	100	150	30	150
097W0160	50	15	100	150	30	100
097W0170	70	<5	100	200	20	150
097W0180	15	N	N	20	N	70
097W0190	<10	N	<10	N	30	<5
097W0200	<10	N	N	N	50	<5
097W0210	10	5	150	<10	30	<5
097W0220	10	5	100	20	N	<5
097W0230	20	5	150	30	N	<5
097W0240	<10	N	100	10	<10	<5
097W0250	15	<5	100	15	30	<5
097W0260	<10	N	100	15	20	<5
097W0270	<10	N	N	10	<10	<5
097W0280	<10	N	100	<10	30	<5
097W0290	10	<5	150	15	30	<5
097W0300	10	N	100	10	20	<5
097W0310	10	N	100	10	20	<5
097W0320	<10	N	100	10	15	<5
097W0330	<10	N	100	<10	N	<5
097W0340	<10	N	100	<10	N	<5
097W0350	<10	N	N	<10	<10	<5
097W0360	<10	N	N	<10	15	<5
097W0370	N	N	100	10	15	<5
097W0380	N	N	100	<10	N	<5
097W0390	N	N	100	10	N	<5
097W0400	N	N	100	<10	N	<5
097W0410	N	N	100	<10	N	<5
097W0420	N	5	150	15	30	<5
097W0430	N	N	100	10	10	<5
097W0440	N	5	100	10	15	<5
097W0450	N	N	100	10	N	<5
097W0460	<10	>	100	15	20	<5
097W0470	<10	<5	100	15	20	<5
097W0480	N	N	<100	<10	N	<5
097W0490	10	<5	100	10	30	<5
097W0500	<10	<5	100	10	15	<5
097W0510	10	<5	150	10	20	<5
097W0520	<10	N	<100	<10	10	<5
097W0530	N	N	100	<10	<10	<5
097W0540	N	N	100	<10	N	<5
097W0550	N	<5	100	<10	30	<5
097W0560	15	<5	100	<10	30	<5
097W0570	10	N	<100	10	30	<5
097W0580	<10	N	N	<10	10	<5

Sample	Form	S-FE%	S-MG%	S-CA%	S-T1%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
097W0590	29	.50	7.00	20.00	.050	70	50	30	N	5	20	10	N	15	N	10
097W0600	29	.50	10.00	20.00	.050	100	50	70	<1.0	5	20	10	N	10	N	10
097W0610	29	.50	10.00	20.00	.050	100	30	50	<1.0	5	15	7	N	7	N	7
097W0620	29	.20	7.00	20.00	.010	100	30	N	N	10	5	N	N	N	5	N
097W0630	29	.30	10.00	20.00	.020	70	50	N	N	15	5	N	N	N	5	N
097W0640	29	.30	10.00	20.00	.020	70	30	N	N	15	<5	N	7	N	<5	N
097W0650	29	.30	7.00	15.00	.015	70	20	N	N	10	7	N	N	N	<5	N
097W0660	29	.50	7.00	20.00	.050	70	50	50	N	<5	20	20	N	5	N	7
097W0670	29	.30	5.00	15.00	.015	50	50	N	N	10	7	N	N	N	<5	N
097W0680	29	.20	5.00	15.00	.003	70	30	N	N	<10	5	N	7	N	<5	N
097W0690	29	.50	7.00	>20.00	.030	70	50	50	N	N	20	5	N	N	N	5
097W0700	29	.30	7.00	20.00	.015	70	20	N	N	15	5	N	N	N	<5	N
097W0710	29	.30	5.00	15.00	.002	70	15	N	N	<10	<5	N	N	N	<5	N
097W0720	29	.30	5.00	20.00	.010	70	50	N	N	<10	<5	N	N	N	<5	N
097W0730	28	.30	5.00	15.00	.020	70	70	N	N	<10	<5	N	N	N	<5	N
097W0740	28	.30	7.00	20.00	.015	70	70	N	N	<10	5	N	N	N	<5	N
097W0750	28	.20	5.00	15.00	.020	50	50	N	N	<10	5	N	N	N	<5	N
097W0760	28	.30	5.00	20.00	.010	100	30	N	N	<10	5	N	N	N	<5	N
097W0770	28	.30	5.00	15.00	.030	70	70	N	N	15	5	N	N	N	<5	N
097W0780	28	.20	5.00	15.00	.007	50	50	N	N	<10	5	N	N	N	<5	N
097W0790	28	.30	5.00	20.00	.010	100	50	N	N	N	10	N	N	N	5	N
097W0800	28	.20	5.00	20.00	.010	150	70	N	N	<10	15	N	N	N	5	N
097W0810	28	.10	7.00	15.00	<.002	70	20	N	N	<10	15	N	N	N	<5	N
097W0820	28	.20	10.00	15.00	.007	150	20	N	N	10	7	N	N	N	<5	N
097W0830	23	.30	10.00	20.00	.020	100	15	N	N	15	10	N	N	N	<5	N
097W0840	28	.30	10.00	20.00	.020	70	10	N	N	15	5	N	N	N	<5	N
097W0850	28	.50	10.00	20.00	.015	100	10	N	N	15	5	N	N	N	<5	N
097W0860	28	.50	10.00	20.00	.030	100	30	N	N	20	7	N	N	N	<5	N
097W0870	28	.30	7.00	20.00	.020	100	15	N	N	15	7	N	N	N	<5	N
097W0880	28	.30	7.00	20.00	.007	100	15	N	N	10	5	N	N	N	<5	N
097W0890	28	.50	10.00	15.00	.015	100	15	N	N	15	5	N	N	N	<5	N
097W0900	28	.15	7.00	15.00	.007	150	30	N	N	<10	<5	N	N	N	<5	N
097W0910	28	.15	7.00	15.00	.002	70	20	N	N	<10	<5	N	N	N	<5	N
097W0920	28	.15	10.00	20.00	.003	70	15	N	N	<5	N	N	N	N	<5	N
097W0930	28	.30	7.00	15.00	.030	70	50	N	N	15	15	N	N	N	<5	N
097W0940	28	.30	10.00	20.00	.020	70	30	N	N	N	10	N	N	N	<5	N
097W0950	28	.20	7.00	15.00	.015	50	10	N	N	<10	<5	N	N	N	<5	N
097W0960	28	.20	7.00	15.00	.012	70	15	N	N	<10	<5	N	N	N	<5	N
097W0970	28	.20	10.00	15.00	.015	70	20	N	N	10	5	N	N	N	<5	N
097W0980	28	.70	10.00	20.00	.050	70	20	N	N	20	7	N	N	N	<5	N
097W0990	28	1.00	10.00	20.00	.050	100	50	N	N	<20	7	N	N	N	<5	N
097W1000	20	.70	10.00	20.00	.030	100	30	N	N	<20	7	N	N	N	<5	N
097W1010	20	.50	7.00	15.00	.020	200	30	N	N	20	7	N	N	N	<5	N
097W1020	20	.15	7.00	15.00	.002	100	10	N	N	10	7	N	N	N	<5	N
097W1030	20	.05	5.00	15.00	<.002	50	10	N	N	5	5	N	N	N	<5	N

Sample	S-PH	S-SC	S-SR	S-V	S-Y	S-ZR	AA-Z N
097W0590	15	<5	150	10	N	30	<5
097W0600	15	N	100	15	N	20	<5
097W0610	10	<5	100	10	N	20	<5
097W0660	10	N	<100	20	N	20	<5
097W0620	<10	N	100	10	<10	<10	<5
097W0630	10	N	150	10	10	10	<5
097W0680	20	N	N	<10	N	N	10
097W0640	<10	N	150	<10	15	<5	
097W0650	<10	N	<100	<10	<10	<5	
097W0700	15	N	<100	N	N	N	
097W0710	10	N	N	<10	N	N	
097W0720	10	N	100	<10	<10	<5	
097W0730	10	N	100	<10	20	<5	
097W0740	10	N	100	<10	<10	<5	
097W0750	15	N	<100	<10	<10	<5	
097W0760	15	N	<100	<10	N	<5	
097W0770	10	N	<100	<10	15	<5	
097W0780	<10	N	<100	10	N	<5	
097W0790	<10	N	N	<10	N	<5	
097W0800	<10	N	N	<10	<10	<5	
097W0810	<10	N	N	<10	N	<5	
097W0820	N	N	<100	<10	N	<5	
097W0830	>10	N	N	100	N	<5	
097W0840	<10	N	100	<10	N	<5	
097W0850	<10	N	N	<10	N	<5	
097W0860	<10	N	N	<10	N	<5	
097W0870	10	N	100	<10	N	<5	
097W0880	<10	N	N	<10	N	<5	
097W0890	<10	N	N	15	N	<5	
097W0900	N	N	100	<10	N	<5	
097W0910	N	N	N	<10	N	<5	
097W0920	<10	N	100	<10	N	<5	
097W0930	<10	N	100	10	10	<5	
097W0940	<10	N	N	150	10	<5	
097W0950	<10	N	N	10	N	<5	
097W0960	N	N	N	<10	N	<5	
097W0970	<10	N	N	<10	N	<5	
097W0980	10	N	100	15	N	<5	
097W0990	15	N	N	15	10	<5	
097W1000	15	N	100	15	10	<5	
097W1010	15	N	100	10	<10	<5	
097W1020	N	N	N	<10	10	<5	
097W1030	N	N	N	<10	N	<5	

Sample	FURN	S-FE%	S-MG%	S-CA%	S-Ti%	S-Mn	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
097W1040	2U	.20	7.00	15.00	.015	100	15	N	<1.0	N	10	N	5	N	5	10
097W1050	20	.70	7.00	20.00	.050	100	20	20	<5	20	10	N	7	N	N	N
097W1060	20	.10	7.00	15.00	.002	70	10	N	<10	N	<10	<5	N	N	N	N
097W1070	20	.50	7.00	15.00	.013	100	15	N	N	N	5	N	5	N	N	5
097W1080	20	.30	7.00	15.00	.015	70	30	N	<5	10	5	N	20	N	N	5
097W1090	20	.10	10.00	20.00	<.002	70	10	N	<10	N	N	N	N	N	<5	<5
097W1100	20	.15	10.00	15.00	.002	70	<10	N	<10	N	N	N	N	N	N	N
097W1110	20	.15	7.00	15.00	<.002	100	10	N	<10	N	N	N	N	N	N	N
097W1120	20	.15	7.00	15.00	.007	70	10	N	<5	N	N	N	N	N	N	N
097W1130	20	.20	7.00	15.00	.015	100	15	N	<5	N	N	N	N	N	N	N
097W1140	20	.20	7.00	15.00	.005	150	20	N	<5	10	N	5	N	N	N	5
097W1150	20	.15	7.00	15.00	.013	100	15	N	<5	10	N	5	N	N	N	5
097W1160	20	.20	7.00	10.00	.003	150	20	N	<10	5	N	5	N	N	N	5
097W1170	20	.20	7.00	15.00	.010	100	15	N	<5	10	N	5	N	N	N	5
097W1180	20	.20	7.00	15.00	.010	100	10	N	<10	7	N	5	N	N	N	5
097W1190	19	.07	7.00	15.00	<.002	70	<10	N	<5	N	N	N	N	N	N	5
097W1200	19	.07	5.00	15.00	<.002	70	N	N	<5	N	N	N	N	N	N	5
097W1210	19	.10	5.00	20.00	<.002	70	10	N	<5	N	N	N	N	N	N	5
097W1220	19	.07	5.00	20.00	<.002	70	N	N	<5	N	N	N	N	N	N	5
097W1230	19	.10	5.00	15.00	<.002	70	10	N	<5	N	N	N	N	N	N	5
097W1240	19	.07	7.00	15.00	<.002	100	15	N	<10	7	N	5	N	N	N	5
097W1250	19	.20	5.00	15.00	.007	150	15	N	<5	10	N	5	N	N	N	5
097W1260	19	.15	7.00	15.00	.003	100	20	N	<5	N	N	N	N	N	N	5
097W1270	19	.07	5.00	15.00	<.002	70	15	N	<5	N	N	N	N	N	N	5
097W1280	19	.05	5.00	10.00	<.002	70	20	N	<5	N	N	N	N	N	N	5
097W1290	19	.10	7.00	15.00	.002	70	10	N	<5	N	N	N	N	N	N	5
097W1300	19	.07	5.00	15.00	.002	70	<10	N	<5	N	N	N	N	N	N	5
097W1310	19	.13	5.00	15.00	.002	150	10	N	<5	N	N	N	N	N	N	5
097W1320	19	.07	5.00	15.00	<.002	70	N	N	<5	N	N	N	N	N	N	5
097W1330	19	.15	7.00	15.00	.002	150	15	N	<5	N	N	N	N	N	N	5
097W1340	19	.07	7.00	20.00	<.002	70	<10	N	<5	N	N	N	N	N	N	5
097W1350	19	.05	5.00	10.00	<.002	70	N	N	<5	N	N	N	N	N	N	5
097W1360	19	.20	7.00	15.00	.007	100	10	N	<5	N	N	N	N	N	N	5
097W1370	19	.10	5.00	10.00	.002	70	N	N	<5	N	N	N	N	N	N	5
097W1380	19	.15	7.00	20.00	<.007	100	10	N	<5	N	N	N	N	N	N	5
097W1390	19	.15	5.00	15.00	.013	150	10	N	<10	N	N	N	N	N	N	5
097W1400	19	.10	5.00	15.00	.005	100	<10	N	<5	N	N	N	N	N	N	5
097W1410	19	.07	5.00	15.00	<.002	70	N	N	<5	N	N	N	N	N	N	5
097W1420	19	.20	5.00	20.00	.010	100	15	N	<10	N	N	N	N	N	N	5
097W1430	19	.07	5.00	10.00	<.002	50	N	N	<5	N	N	N	N	N	N	5
097W1440	19	.10	5.00	15.00	.003	150	<10	N	<5	N	N	N	N	N	N	5
097W1450	19	.20	5.00	15.00	.013	70	20	N	<10	N	N	N	N	N	N	5
097W1460	19	.70	5.00	20.00	.030	100	30	N	<10	N	N	N	N	N	N	5
097W1470	19	.07	5.00	10.00	.002	50	N	N	<5	N	N	N	N	N	N	5
097W1480	19	.20	5.00	15.00	.010	100	<10	N	<5	N	N	N	N	N	N	5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
097W1040 097W1050 097W1060 097W1070 097W1080	N 20 N N 10	N N N N N	150 100 <100 <100 <100	15 15 <10 <10 10	N N <10 <10 N	N 10 <10 10 15	>2 <5 <5 <5 <5
097W1090 097W1100 097W1110 097W1120 097W1130	<10 <10 10 N <10	N N N N N	<100 <100 <100 <100 <100	<10 <10 <10 <10 10	N N N N N	N 5 <5 <5 <5	<2 5 <5 <5 <5
097W1140 097W1150 097W1160 097W1170 097W1180	N N N <10 10	N N N N N	<100 <100 <100 N 100	<10 <10 <10 N 10	N N N N N	N N N N N	<5 <5 <5 <5 <5
097W1190 097W1200 097W1210 097W1220 097W1230	N N N N <10	N N N N N	<100 N N N N	<10 <10 <10 <10 <10	N N N N N	N N N N N	<5 <5 <5 <5 <5
097W1240 097W1250 097W1260 097W1270 097W1280	<10 10 N N N	N N N N N	N N N N 100	N N N N <10	N N N N N	N N N N N	<5 <5 <5 <5 <5
097W1290 097W1300 097W1310 097W1320 097W1330	<10 <10 <10 N N	N N N N N	<100 N N N 100	<10 <10 <10 N <10	N N N N N	N N N N N	<5 <5 <5 <5 <5
097W1340 097W1350 097W1360 097W1370 097W1380	N N 10 10 10	N N N N N	N N N N N	N N N N N	N N N N N	N N N N N	<5 <5 <5 <5 <5
097W1390 097W1400 097W1410 097W1420 097W1430	<10 N N 10 N	N N N N N	N N N N N	<100 N N N N	N N N N N	N N N N N	N N N N N
097W1440 097W1450 097W1460 097W1470 097W1480	N 10 20 10 10	N N N N N	N N N N N	N N N N N	N N N N N	N N N N N	<5 5 <5 <5 <5

Sample	Form	S-F/F%	S-r'/6%	S-CA%	S-Ti%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
097W1490	19	.15	5.00	15.00	.007	70	10	N	<10	3	N	20	N	<5		
097W1500	18	.20	5.00	15.00	.007	70	15	N	<10	10	N	15	N	5		
097W1510	18	.15	1.00	2.00	.020	50	15	<20	N	10	<5	N	5	5		
097W1520	17	.20	5.00	10.00	.020	70	20	N	10	<5	N	10	N	5		
097W1530	17	.15	5.00	10.00	.010	50	15	N	10	5	N	15	N	5		
097W1540	17	.15	5.00	15.00	.012	50	10	N	<10	15	N	50	N	<5		
097W1550	17	.15	5.00	10.00	<.002	50	N	<20	N	5	N	50	N	5		
097W1560	17	.10	7.00	15.00	.002	70	<10	N	N	5	N	50	N	5		
097W1570	17	.07	3.00	10.00	<.002	30	N	N	N	10	N	5	N	5		
097W1580	17	.07	5.00	15.00	<.002	30	N	N	N	5	N	N	N	N		
097W1590	17	.20	7.00	20.00	.005	100	20	N	N	5	N	30	N	<5		
097W1600	17	<.05	3.00	10.00	<.002	20	N	N	N	5	N	N	N	N		
097W1610	17	.05	5.00	10.00	<.002	30	N	N	N	5	N	N	N	N		
097W1620	17	.15	10.00	15.00	.003	100	10	N	N	5	N	N	N	N		
097W1630	17	.15	10.00	15.00	.002	70	10	N	N	5	N	N	N	N		
097W1640	17	.20	7.00	15.00	.007	100	10	N	N	7	N	5	N	5		
097W1650	17	.10	7.00	15.00	.003	50	10	N	N	7	N	20	N	<5		
097W1660	17	.10	10.00	15.00	.002	20	20	N	N	7	N	50	N	5		
097W1670	17	.07	5.00	15.00	<.002	30	<10	N	N	7	N	10	N	5		
097W1680	17	.10	5.00	15.00	.003	50	15	N	N	5	N	20	N	5		
097W1690	17	.15	3.00	10.00	.010	50	50	N	N	5	N	20	N	5		
097W1700	17	.10	3.00	10.00	<.002	30	10	N	N	5	N	N	N	<5		
097W1710	17	.50	3.00	15.00	.020	50	70	N	N	5	N	20	N	7		
097W1720	17	.10	3.00	10.00	<.002	30	10	N	N	5	N	15	N	5		
097W1730	17	.20	5.00	15.00	.003	70	<10	N	N	5	N	15	N	5		
097W1740	17	.15	3.00	15.00	.002	100	<10	N	N	7	N	N	N	N		
097W1750	16	.20	5.00	15.00	.007	200	10	N	N	5	N	<10	N	<5		
097W1760	16	.70	5.00	15.00	.020	200	20	N	N	5	N	10	N	5		
097W1770	15	.50	5.00	15.00	.020	150	15	N	N	5	N	10	N	<5		
097W1780	15	.50	7.00	15.00	.030	300	15	N	N	5	N	N	N	N		
097W1790	15	.50	5.00	15.00	.050	200	20	N	N	5	N	15	N	5		
097W1800	15	.50	5.00	10.00	.070	300	50	N	N	5	N	15	N	<5		
097W1810	15	.50	5.00	10.00	.070	300	50	N	N	5	N	15	N	5		
097W1820	15	.50	5.00	10.00	.070	300	50	N	N	5	N	15	N	5		
097W1830	15	1.00	5.00	10.00	.100	500	70	N	N	5	N	50	N	5		
097W1840	14	1.00	3.00	10.00	.100	500	70	N	N	5	N	50	N	5		
097W1850	14	1.00	3.00	10.00	.100	500	100	1,000	2,000	7	N	70	N	7		
097W1860	14	.70	1.00	1.50	.150	50	50	700	1,000	5	N	10	N	7		
097W1870	14	.70	1.00	1.50	.150	300	70	1,000	3,000	5	N	15	N	7		
097W1880	14	2.00	1.00	1.50	.300	300	70	1,500	3,000	5	N	20	N	7		
097W1890	14	2.00	1.50	1.00	.200	200	70	1,500	3,000	5	N	15	N	7		
097W1900	12	1.50	.70	.10	.300	300	50	2,000	1,500	5	N	15	N	10		
097W1910	12	.70	.30	.07	.150	30	20	700	1,000	5	N	15	N	10		
097W1920	12	.15	.07	.05	.150	20	20	500	2,000	5	N	30	N	7		
097W1930	12	.15	.07	.05	.150	20	20	700	2,000	5	N	30	N	7		

Sample	S-P β	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
097W1490	<10	N	100	10	N	N	<5
097W1500	10	N	N	10	N	N	<5
097W1510	N	N	N	<10	N	30	<5
097W1520	<10	N	100	<10	N	10	5
097W1530	<10	N	<100	<10	N	<10	<5
097W1540	<10	N	100	10	N	N	<5
097W1550	<10	N	N	<10	N	N	<5
097W1560	<10	N	N	<10	N	N	<5
097W1570	<10	N	N	<10	N	N	<5
097W1580	<10	N	N	<10	N	N	<5
097W1590	<10	N	100	10	N	N	<5
097W1600	N	N	N	<10	N	N	<5
097W1610	N	N	N	<10	N	N	<5
097W1620	<10	N	100	<10	N	N	<5
097W1630	<10	N	100	<10	N	N	<5
097W1640	<10	N	100	10	N	N	<5
097W1650	10	N	N	<10	N	N	<5
097W1660	10	N	N	<10	N	N	<5
097W1670	<10	N	N	<10	N	N	<5
097W1680	10	N	N	<10	N	N	<5
097W1690	10	N	N	<10	N	N	<5
097W1700	10	N	N	<10	N	N	<5
097W1710	15	N	N	<10	N	20	5
097W1720	15	N	N	<10	N	N	5
097W1730	20	N	N	10	N	N	<5
097W1740	10	N	N	<10	N	N	<5
097W1750	10	N	100	<10	10	30	<5
097W1760	30	N	100	<10	10	30	5
097W1770	30	N	N	<10	10	30	<5
097W1780	50	N	100	<10	10	30	<5
097W1790	50	N	100	10	10	50	<5
097W1800	30	5	100	10	15	70	<5
097W1810	30	5	100	10	20	100	<5
097W1820	20	5	<100	10	20	100	<5
097W1830	30	7	100	15	30	150	<5
097W1840	30	7	100	15	30	200	<5
097W1850	30	7	100	15	30	150	5
097W1860	50	7	100	15	50	700	<5
097W1870	50	10	100	20	50	300	5
097W1880	30	10	100	30	50	300	5
097W1890	20	7	100	30	50	300	5
097W1900	10	7	100	30	50	1,000	5
097W1910	N	N	N	10	15	200	<5
097W1920	N	N	N	<10	15	200	<5
097W1930	N	N	N	20	30	700	<5

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU.	S-LA	S-MO	S-NB	S-NI
097W1940	12	.50	.20	<.05	.100	<10	50	300	1.0	N	N	15	70	N	N	7
097W1950	23	.70	.30	.10	.150	.20	30	700	1.5	N	N	5	50	N	N	5
097W1960	11	2.00	1.00	.30	.300	200	50	2,000	2.0	1.0	70	15	100	N	N	20
097W1970	11	2.00	1.00	.50	.300	300	20	3,000	1.5	20	70	15	70	N	N	30
097W1975	11	2.00	1.00	.70	.300	300	30	2,000	2.0	20	70	20	70	N	N	30

Sample	S-PH	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
097w1960	N	N	N	10	30	500	5
097w1950	N	N	N	15	30	300	35
097w1960	<10	10	150	30	50	300	45
097w1970	10	10	150	50	50	300	35
097w1975	15	10	200	50	50	200	40

TABLE 4.--Spectrographic analyses of whole-rock samples from drill hole no. 98.

Sample	Form	S-FE%	S-MG%	S-CAl%	S-Ti%	S-MN	S-A6	S-B	S-RA	S-BE	S-CU	S-CR	S-LA	S-NB	S-NI
098W0010	29	.20	10.0	20.0	.020	70	N	30	50	<1.0	N	15	5	N	5
098W0020	29	.10	10.0	20.0	.010	70	N	20	N	<1.0	N	10	<5	N	7
098W0030	29	.15	10.0	20.0	.010	70	N	20	N	N	N	10	<5	N	<5
098W0040	29	.15	7.0	15.0	.005	100	N	15	N	N	N	<10	<5	N	5
098W0050	29	.30	10.0	15.0	.050	100	N	15	100	1.0	N	30	7	N	7
098W0060	29	.50	10.0	20.0	.030	150	N	20	100	<1.0	7	20	20	N	10
098W0070	29	.30	10.0	15.0	.020	100	N	20	N	N	<5	15	7	N	7
098W0080	29	.70	7.0	15.0	.050	100	N	50	100	1.0	10	30	15	50	15
098W0090	29	.30	7.0	15.0	.020	100	N	20	50	<1.0	<5	20	7	10	7
098W0100	29	.50	7.0	15.0	.030	150	N	20	100	1.0	5	30	15	N	10
098W0110	29	.20	5.0	15.0	.020	70	N	20	N	1.0	15	10	10	N	5
098W0120	29	.12	5.0	10.0	.010	70	N	30	N	<1.0	N	10	10	N	<5
098W0130	29	.20	7.0	10.0	.007	50	N	15	N	<1.0	<10	7	7	N	5
098W0140	29	.70	7.0	15.0	.050	150	N	20	100	1.0	5	30	15	N	10
098W0150	29	.70	7.0	15.0	.050	100	N	50	100	1.5	7	30	30	N	15
098W0160	29	.15	5.0	15.0	.005	70	N	20	N	<1.0	N	10	15	<5	N
098W0170	29	.50	5.0	15.0	.030	100	N	30	N	1.0	20	15	30	N	10
098W0180	29	.20	5.0	15.0	.010	100	N	15	N	<1.0	<10	5	10	N	5
098W0190	29	.15	5.0	10.0	.002	70	N	20	N	1.0	<10	5	<5	N	5
098W0200	29	.20	7.0	20.0	.020	100	N	20	N	<1.0	10	10	20	N	7
098W0210	29	.15	7.0	15.0	.007	100	N	15	N	<1.0	N	<10	10	<5	<5
098W0220	29	.15	5.0	15.0	.015	70	N	20	N	1.0	N	15	5	N	<5
098W0230	29	.15	7.0	20.0	.020	70	N	20	N	1.0	<5	15	5	N	5
098W0240	29	.20	7.0	20.0	.030	70	N	20	N	<1.0	<5	15	5	N	5
098W0250	29	.20	7.0	15.0	.020	70	N	15	N	1.0	N	15	<5	N	5
098W0260	29	.20	10.0	20.0	.015	70	N	15	N	<1.0	<5	10	7	N	7
098W0270	28	.15	7.0	15.0	.002	100	N	15	N	<1.0	N	<10	<5	N	<5
098W0280	28	.12	5.0	10.0	.003	70	N	20	N	1.0	N	10	5	N	5
098W0290	28	.20	7.0	15.0	.015	100	N	10	N	N	5	15	5	N	5
098W0300	28	.20	7.0	15.0	.020	70	N	15	N	1.0	N	10	5	N	5
098W0310	28	.30	7.0	15.0	.015	100	N	15	N	<1.0	N	10	<5	N	5
098W0320	28	.30	7.0	15.0	.020	100	N	20	N	1.0	N	15	10	N	7
098W0330	28	.20	7.0	15.0	.007	70	N	15	N	<1.0	N	10	7	N	5
098W0340	28	.20	10.0	20.0	.010	100	N	10	N	1.0	N	10	5	N	5
098W0350	28	.50	10.0	15.0	.030	100	N	10	N	N	5	20	7	N	10
098W0360	28	.15	10.0	20.0	.005	100	N	20	N	N	N	N	5	N	5
098W0370	28	.15	7.0	15.0	.003	100	N	10	N	1.0	N	<5	10	N	<5
098W0380	28	.20	10.0	15.0	.005	70	N	20	N	<1.0	N	<5	5	N	<5
098W0390	28	.50	5.0	15.0	.030	50	N	30	N	1.0	5	20	10	N	10
098W0400	28	.15	5.0	15.0	.003	50	N	10	N	<1.0	N	<10	<5	N	7
098W0410	28	.15	5.0	15.0	.005	70	N	<10	N	1.0	N	10	<5	N	<5
098W0420	28	.15	5.0	15.0	.003	100	N	<10	N	1.0	N	10	<5	N	<5
098W0430	28	.30	5.0	20.0	.020	70	N	20	N	<1.0	N	15	7	N	7
098W0440	28	.20	7.0	20.0	.015	100	N	10	N	1.0	N	10	5	N	5
098W0450	28	.30	7.0	20.0	.020	100	N	10	N	<1.0	N	15	5	N	5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-LR	AA-ZN
098W0010	<10	N	100	10	N	N	10	>5
098W0020	10	N	N	<10	N	<10	<5	<5
098W0030	<10	N	N	<10	N	<10	5	5
098W0040	<10	N	100	<10	N	N	<5	<5
098W0050	10	N	15	N	N	30	30	<5
098W0070	20	N	5	N	15	50	50	5
098W0080	30	N	5	N	<10	20	20	<5
098W0090	10	N	15	N	20	30	30	5
098W0100	20	N	<5	N	15	10	<5	<5
098W0110	20	N	20	N	<10	N	<10	<5
098W0120	10	N	15	N	<10	N	<10	<5
098W0130	15	N	N	<10	N	<10	10	10
098W0140	15	<5	100	10	N	30	30	<5
098W0150	20	N	5	150	20	N	<5	<5
098W0160	15	N	N	<10	N	N	<5	<5
098W0170	20	N	<5	N	<10	20	20	<5
098W0180	20	N	N	<10	N	10	<5	<5
098W0190	20	N	N	<10	N	N	<5	<5
098W0200	10	N	N	<10	N	70	70	<5
098W0210	10	N	N	<10	N	N	<10	<5
098W0220	<10	N	N	<10	N	20	20	<5
098W0230	<10	N	N	<10	N	15	15	<5
098W0240	10	<5	150	10	N	10	<5	<5
098W0250	10	N	N	<10	N	<10	10	5
098W0260	15	N	N	<10	N	N	<10	5
098W0270	<10	N	N	<10	N	N	<10	5
098W0280	N	N	N	<10	N	N	<10	5
098W0290	15	N	N	<10	N	N	<10	5
098W0300	20	N	N	10	N	N	<10	5
098W0310	15	<5	N	10	N	15	15	5
098W0320	20	N	N	15	N	<10	<10	<5
098W0330	15	N	N	10	N	<10	10	5
098W0340	10	N	<5	15	N	10	10	5
098W0350	15	<5	N	15	N	<10	<10	5
098W0360	10	N	N	<10	N	N	N	5
098W0370	10	N	N	<10	N	N	N	5
098W0380	10	N	N	<10	N	N	N	5
098W0390	15	N	N	15	N	15	15	5
098W0400	10	N	N	<10	N	<10	<10	<5
098W0410	10	N	N	<10	N	N	N	5
098W0420	10	N	N	<10	N	N	N	5
098W0430	15	N	N	10	N	10	<10	5
098W0440	10	N	N	<10	N	N	<10	5
098W0450	20	N	N	<5	N	N	<10	5

Sample	Form	S-FE%	S-MG%	S-CAN%	S-Ti%	S-MN	S-AG	S-B	S-BA	S-BE	S-CU	S-CR	S-CO	S-LA	S-NB	S-MO	S-NI
098W0460	28	.20	5.0	15.0	.007	100	N	<1.0	N	<1.0	N	10	7	N	<5	N	7
098W0470	28	.20	7.0	>20.0	.002	100	N	<1.0	N	<1.0	N	5	N	<5	N	<5	
098W0480	28	.15	7.0	15.0	.002	100	N	<1.0	N	<1.0	N	10	5	N	<5	N	<5
098W0490	20	.20	10.0	20.0	.010	100	N	15	N	<1.0	N	10	5	N	10	N	5
098W0500	20	.20	7.0	10.0	.010	70	N	20	N	<1.0	N	10	5	N	N	7	7
098W0510	20	.20	10.0	15.0	.007	150	N	10	N	<1.0	N	<10	<5	N	N	N	<5
098W0520	20	.20	3.0	10.0	.010	100	N	30	N	<1.0	N	10	7	N	5	N	<5
093W0530	20	.26	7.0	15.0	.007	100	N	20	N	<1.0	N	<10	<5	N	10	N	<5
098W0540	20	.30	7.0	20.0	.015	100	N	10	N	<1.0	N	10	<5	N	N	N	5
098W0550	20	.15	7.0	20.0	<.002	200	N	<10	N	1.0	N	<5	N	<5	N	N	<5
098W0560	20	.20	5.0	15.0	.005	100	N	20	N	<1.0	N	<10	10	N	7	N	7
098W0570	20	.15	10.0	>20.0	<.002	150	N	20	N	<1.0	N	<5	N	<5	N	N	<5
098W0580	20	.10	3.0	10.0	<.002	70	N	20	N	<1.0	N	<5	N	<5	N	N	<5
093W0590	20	.20	7.0	15.0	.010	150	N	15	N	<1.0	N	<10	<5	N	7	N	7
098W0600	20	.15	7.0	>20.0	<.003	100	N	15	N	<1.0	N	<5	N	<5	N	N	<5
098W0610	20	.15	10.0	20.0	.002	100	N	<10	N	<1.0	N	10	5	N	7	N	<5
093W0620	19	.20	10.0	>20.0	.010	150	N	10	N	<1.0	N	10	5	N	5	N	<5
098W0630	19	.16	10.0	20.0	<.002	100	N	<10	N	<1.0	N	7	N	<5	N	N	<5
098W0640	19	.15	10.0	20.0	.003	100	N	10	N	<1.0	N	10	5	N	5	N	<5
098W0650	19	.10	7.0	15.0	<.002	70	N	<10	N	<1.0	N	<5	N	<5	N	7	7
098W0660	19	.30	10.0	>20.0	.003	100	N	15	N	<1.0	N	10	5	N	10	N	5
098W0670	19	.10	5.0	15.0	<.002	70	N	<10	N	<1.0	N	7	N	<5	N	N	<5
098W0530	19	.07	5.0	15.0	<.002	70	N	10	N	<1.0	N	7	N	<5	N	N	<5
U98W0690	19	.50	10.0	20.0	<.002	150	N	30	N	<1.0	N	15	N	15	N	N	5
098W0700	19	.10	10.0	20.0	<.002	70	N	10	N	<1.0	N	<5	N	<5	N	N	N
098W0710	19	.15	7.0	15.0	.002	70	N	15	N	<1.0	N	10	10	N	5	N	<5
U98W0720	19	.15	7.0	15.0	.005	70	N	10	N	<1.0	N	5	N	5	N	N	<5
093W0730	16	.15	5.0	15.0	.003	100	N	20	N	<1.0	N	7	N	7	N	N	<5
098W0740	19	.20	7.0	20.0	<.002	100	N	10	N	<1.0	N	5	N	5	N	N	<5
098W0750	19	.10	5.0	10.0	<.002	70	N	20	N	<1.0	N	<5	N	<5	N	N	<5
093W0760	19	.15	7.0	20.0	<.002	100	N	10	N	<1.0	N	7	N	7	N	N	<5
098W0770	19	.15	7.0	15.0	<.002	150	N	20	N	<1.0	N	10	7	N	<5	N	7
098W0780	19	.15	5.0	15.0	<.002	70	N	30	N	<1.0	N	7	N	5	N	N	<5
098W0790	19	.10	5.0	15.0	<.002	70	N	15	N	<1.0	N	5	N	5	N	N	<5
098W0800	19	.10	3.0	10.0	<.002	50	N	30	N	<1.0	N	5	N	5	N	N	<5
098W0810	19	.20	7.0	20.0	.005	200	N	10	N	<1.0	N	<10	<5	N	5	N	5
098W0820	19	.15	7.0	20.0	.002	100	N	10	N	<1.0	N	10	5	N	5	N	7
093W0830	19	.15	5.0	10.0	.002	70	N	30	N	<1.0	N	15	N	20	N	7	7
098W0840	19	.20	5.0	15.0	.007	100	N	20	N	<1.0	N	15	10	N	20	N	20
098W0850	19	.15	7.0	20.0	<.003	100	N	10	N	<1.0	N	10	<5	N	5	N	5
098W0860	19	.15	5.0	15.0	.003	70	N	20	N	<1.0	N	10	5	N	5	N	5
098W0870	19	.15	7.0	20.0	.002	100	N	10	N	<1.0	N	10	5	N	5	N	5
093W0880	19	.20	7.0	20.0	.005	100	N	15	N	<1.0	N	10	5	N	10	N	5
098W0890	19	.15	7.0	20.0	<.002	70	N	20	N	<1.0	N	<10	<5	N	5	N	5
098W0900	19	.15	7.0	20.0	<.002	150	N	10	N	<1.0	N	<10	<5	N	N	N	N

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
098W0460	15	N	<10	N	N	<10	<10	5
098W0470	<10	N	<10	N	N	N	N	5
098W0480	<10	N	<10	N	N	N	<5	
098W0490	10	N	<10	N	N	N	N	5
098W0500	10	N	<10	N	N	N	N	5
098W0510	<10	N	<10	N	N	<10	<10	5
098W0520	N	N	<10	N	N	<10	<10	5
098W0530	<10	N	<10	N	N	10	<5	
098W0540	20	<5	<10	N	N	N	<5	
098W0550	<10	N	<10	N	N	N	N	5
098W0560	10	N	<10	N	N	N	N	5
098W0570	N	N	<10	N	N	20	5	
098W0580	N	N	<10	N	N	N	N	5
098W0590	<10	N	<10	N	N	N	N	5
098W0600	<10	N	<10	N	N	N	N	5
098W0610	<10	N	<10	N	N	20	5	
098W0620	10	N	<10	N	N	N	N	5
098W0630	N	N	<10	N	N	N	N	5
098W0640	10	N	<10	N	N	N	N	5
098W0650	10	N	<10	N	N	N	N	5
098W0660	10	N	<10	N	N	N	N	5
098W0670	<10	N	<10	N	N	N	N	5
098W0680	<10	N	<10	N	N	N	N	5
098W0690	10	N	<100	N	N	N	N	5
098W0700	N	N	<150	N	N	N	N	5
098W0710	N	N	<10	N	N	N	N	5
098W0720	N	N	<10	N	N	N	N	5
098W0730	N	N	<10	N	N	N	N	5
098W0740	N	N	<10	N	N	N	N	5
098W0750	N	N	<10	N	N	N	N	5
098W0760	N	N	<10	N	N	N	N	5
098W0770	N	N	<10	N	N	N	N	5
098W0780	N	N	<10	N	N	N	N	5
098W0790	N	N	<10	N	N	N	N	5
098W0800	N	N	<10	N	N	N	N	5
098W0810	N	N	<10	N	N	N	N	5
098W0820	N	N	<10	N	N	10	5	
098W0830	N	N	<10	N	N	20	5	
098W0840	10	N	N	N	N	10	5	
098W0850	N	N	N	N	N	10	5	
098W0860	N	N	N	N	N	100	10	
098W0870	10	N	N	N	N	100	10	
093W0350	<10	N	N	N	N	150	10	
098W0890	N	N	N	N	N	15	5	
098W0900	N	N	N	N	N	<10	5	

Sample	Form	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-H	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
098W0910	19	.10	5.0	15.0	<.002	100	N	10	N	N	N	N	N	<5	N	N	N
098W0920	19	.20	5.0	15.0	.005	70	N	15	N	N	N	N	N	10	N	N	N
098W0930	19	.20	7.0	15.0	.007	50	N	<10	N	N	N	N	N	5	N	N	5
098W0940	19	.20	7.0	15.0	.003	70	N	N	N	N	N	N	N	20	N	N	5
098W0950	19	.20	7.0	20.0	.005	70	N	<10	N	N	N	N	N	15	N	N	5
098W0960	19	.15	7.0	20.0	.003	50	N	15	N	N	N	N	N	<5	N	N	5
098W0970	19	.15	10.0	20.0	.003	100	N	15	100	N	N	N	N	10	N	N	<5
098W0980	18	.05	.7	1.2	.003	30	N	10	10	N	N	N	N	7	N	N	N
098W0990	18	.50	10.0	15.0	.020	100	N	20	N	N	N	N	N	15	N	N	10
098W1000	18	.30	10.0	20.0	.015	100	N	15	N	N	N	N	N	10	N	N	10
098W1010	17	.20	7.0	20.0	.010	100	N	15	N	N	N	N	N	10	N	N	5
098W1020	17	.70	10.0	20.0	<.002	100	N	15	N	N	N	N	N	<10	N	N	10
098W1030	17	.10	10.0	15.0	<.002	50	N	10	N	N	N	N	N	5	N	N	N
098W1040	17	.15	5.0	20.0	<.002	100	N	20	N	N	N	N	N	<5	N	N	N
098W1050	17	.15	7.0	20.0	<.002	70	N	10	N	N	N	N	N	5	N	N	N
098W1060	17	.15	7.0	20.0	.003	50	N	15	N	N	N	N	N	10	N	N	N
098W1070	17	.20	7.0	15.0	.020	70	N	30	N	N	N	N	N	15	N	N	10
098W1080	17	.15	7.0	20.0	.002	70	N	15	N	N	N	N	N	30	N	N	<5
098W1090	17	.15	7.0	15.0	.002	70	N	20	N	N	N	N	N	7	N	N	5
098W1100	17	.30	7.0	20.0	.007	70	N	30	N	N	N	N	N	20	N	N	10
098W1110	17	.15	7.0	20.0	.010	100	N	15	N	N	N	N	N	<10	N	N	<5
098W1120	17	.15	7.0	15.0	.002	70	N	15	N	N	N	N	N	15	N	N	<5
098W1130	17	.15	7.0	15.0	.002	70	N	15	N	N	N	N	N	7	N	N	5
098W1140	17	.20	7.0	12.0	.002	70	N	10	N	N	N	N	N	10	N	N	N
098W1150	17	.20	7.0	15.0	.030	100	N	30	N	N	N	N	N	30	N	N	5
098W1160	17	.20	10.0	20.0	.010	100	N	20	N	N	N	N	N	10	N	N	5
098W1170	17	.15	7.0	20.0	<.002	50	N	10	N	N	N	N	N	<10	N	N	5
098W1180	17	.30	10.0	15.0	.015	50	N	30	N	N	N	N	N	15	N	N	10
098W1190	17	.20	7.0	15.0	.007	70	N	20	N	N	N	N	N	<5	N	N	5
098W1200	17	.50	7.0	20.0	.015	100	N	20	N	N	N	N	N	10	N	N	7
098W1210	17	.30	5.0	20.0	.030	100	N	30	N	N	N	N	N	15	N	N	5
098W1220	17	.50	7.0	20.0	.020	50	N	20	N	N	N	N	N	15	N	N	10
098W1230	17	.20	7.0	15.0	.015	70	N	10	N	N	N	N	N	30	N	N	10
098W1240	16	.30	5.0	15.0	.020	100	N	10	N	N	N	N	N	20	N	N	<5
098W1250	16	.20	5.0	15.0	.015	100	N	10	N	N	N	N	N	10	N	N	7
098W1260	16	.15	5.0	15.0	<.002	70	N	<10	N	N	N	N	N	10	N	N	5
098W1270	16	.70	3.0	15.0	.070	100	N	30	N	N	N	N	N	<5	N	N	10
098W1280	16	.30	7.0	20.0	.010	70	N	10	N	N	N	N	N	<10	N	N	<5
098W1290	16	.50	7.0	15.0	.030	100	N	10	N	N	N	N	N	15	N	N	5
098W1300	16	.50	7.0	20.0	.010	100	N	<10	N	N	N	N	N	10	N	N	7
098W1310	15	.70	7.0	15.0	.030	200	N	10	N	N	N	N	N	7	N	N	7
098W1320	15	.70	7.0	20.0	.030	150	N	10	N	N	N	N	N	30	N	N	10
098W1330	15	.70	7.0	20.0	.030	700	N	10	N	N	N	N	N	7	N	N	5
098W1340	15	1.00	7.0	20.0	.015	200	N	10	N	N	N	N	N	50	N	N	10
098W1350	15	1.00	7.0	15.0	.070	150	N	15	N	N	N	N	N	15	N	N	5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
098W0910	N	N	N	<10	N	N	N	>5
098W0920	10	N	100	10	N	N	N	<5
098W0930	<10	N	150	10	N	20	5	5
098W0940	<10	N	N	<10	N	<10	<5	<5
098W0950	<10	N	150	<10	N	20	<5	<5
098W0960	<10	N	100	10	N	N	5	5
098W0970	<10	N	100	10	N	N	5	5
098W0980	N	N	N	<10	N	N	<5	<5
098W0990	15	N	100	10	N	15	<5	<5
098W1000	10	N	150	10	N	20	5	5
098W1010	10	N	<100	10	N	N	5	5
098W1020	15	N	N	<10	N	10	<5	<5
098W1030	<10	N	150	<10	N	N	5	5
098W1040	N	N	N	150	<10	N	5	5
098W1050	<10	N	N	150	<10	N	5	5
098W1060	10	N	150	10	N	N	5	5
098W1070	15	N	100	15	N	20	5	5
098W1080	15	N	150	<10	N	N	5	5
098W1090	15	N	100	<10	N	N	5	5
098W1100	20	N	100	15	N	<10	5	5
098W1110	15	N	100	10	N	N	<5	<5
098W1120	10	N	N	10	N	N	<5	<5
098W1130	<10	N	N	<10	N	N	<5	<5
098W1140	<10	N	N	<10	N	N	<5	<5
098W1150	<10	N	100	10	N	10	5	5
098W1160	<10	N	100	10	N	N	<5	<5
098W1170	10	N	N	<10	N	N	5	5
098W1180	15	N	N	10	N	15	<5	<5
098W1190	15	N	N	<10	N	<10	5	5
098W1200	20	N	100	<10	N	20	<5	<5
098W1210	15	N	100	<10	<10	50	<5	<5
098W1220	20	N	100	<10	<10	30	5	5
098W1230	20	N	100	<10	N	<10	15	10
098W1240	15	N	150	<10	<10	50	10	10
098W1250	20	N	N	10	<10	<10	10	10
098W1260	20	N	N	<10	N	N	5	5
098W1270	20	N	150	10	10	50	10	10
098W1280	20	N	100	<10	N	<10	10	10
098W1290	20	N	150	<10	10	>10	<5	<5
098W1300	15	N	N	<10	N	<10	10	10
098W1310	20	<5	150	10	10	50	5	5
098W1320	20	N	100	<10	<10	50	5	5
098W1330	15	N	100	10	10	30	10	10
098W1340	20	N	100	10	10	20	5	5
098W1350	30	S	150	15	15	70	15	15

Sample	FORM	S-FE%	S-MG%	S-CA%	S-TI%	S-rN	S-r%	S-AG	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
098W1360	14	1.00	7.0	20.0	.100	300	1.5	20	300	1.5	N	15	10	50	<5	N	7	
098W1370	14	1.50	7.0	15.0	.100	300	N	20	300	1.5	5	15	10	50	7	N	5	
098W1380	14	1.50	7.0	15.0	.150	300	N	20	200	1.5	<5	10	7	50	<5	N	5	
098W1390	14	1.50	3.0	15.0	.200	200	N	20	700	1.5	7	10	7	50	N	N	5	
098W1400	14	2.00	5.0	15.0	.150	300	N	30	500	1.5	7	15	10	70	N	N	7	
098W1410	14	1.50	7.0	15.0	.100	300	N	20	300	1.0	5	10	5	70	N	N	7	
098W1420	14	1.50	7.0	15.0	.070	500	N	15	200	<1.0	7	10	10	50	N	N	10	
098W1430	14	2.00	5.0	15.0	.050	700	N	15	300	1.0	10	<10	10	50	N	N	10	
098W1440	12	1.00	1.0	1.5	.100	200	N	15	500	2.0	10	N	15	50	N	N	15	
098W1450	12	2.00	.7	.3	.300	30	N	30	1,000	2.0	5	15	15	70	N	20	20	
098W1460	12	5.00	.1	.3	.200	20	N	30	700	1.5	5	10	20	50	N	<20	20	
098W1470	11	1.50	.7	.7	.300	70	N	15	1,000	2.0	10	15	15	50	70	<20	10	

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-LR	AA-ZN
098W1360	30	5	150	15	20	N	150	15
093W1370	30	7	150	15	20	N	100	10
093W1380	20	7	150	15	20	N	150	15
098W1390	30	5	100	15	20	N	150	45
098W1400	30	5	100	15	20	N	200	15
098W1410	30	5	100	10	20	N	100	20
098W1420	50	<5	100	15	20	N	100	25
098W1430	50	<5	100	<10	15	N	100	10
098W1440	30	<5	100	10	30	N	500	30
098W1450	30	5	<100	20	30	<200	1,000	70
098W1460	>0	5	N	30	30	1,500	500	3,800
098W1470	20	7	100	50	20	N	150	35

TABLE 5.--Spectrographic analyses of whole-rock samples from drill hole no. 99.

Sample	Form	S-Fe%	S-Mg%	S-Ca%	S-Ti%	S-Mn	S-AG	S-AS	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO
099W0250	29	.20	7.00	15.00	.005	70	N	N	50	<20	N	N	10	7	N	N
099W0260	29	.70	7.00	15.00	.030	150	N	N	30	50	<1.0	N	20	7	N	N
099W0270	29	.30	10.00	>20.00	.010	100	N	N	20	N	<1.0	N	15	10	N	N
099W0280	29	.50	10.00	20.00	.010	100	N	N	20	N	<1.0	N	15	10	N	N
099W0290	29	.70	10.00	20.00	.020	100	N	N	50	70	<1.0	N	30	15	N	N
099W0300	29	.15	7.00	15.00	.005	50	N	N	20	N	<1.0	N	10	10	N	N
099W0310	29	.50	10.00	20.00	.020	100	N	N	50	20	<1.0	N	15	15	N	N
099W0320	29	.30	10.00	20.00	.010	100	N	N	20	N	<1.0	N	15	7	N	N
099W0330	29	.15	10.00	15.00	.005	70	N	N	15	N	<1.0	N	20	5	N	N
099W0340	29	.20	10.00	20.00	.020	100	N	N	15	N	<1.0	N	15	5	N	N
099W0350	29	.15	10.00	20.00	.010	70	N	N	20	N	<1.0	N	15	5	N	N
099W0360	29	.20	7.00	20.00	.020	50	N	N	30	20	<20	N	20	10	N	N
099W0370	29	.15	10.00	20.00	.015	70	N	N	20	70	1.0	N	30	5	N	N
099W0380	29	.50	10.00	>20.00	.050	150	N	N	50	70	1.0	N	30	10	N	N
099W0390	29	.50	10.00	20.00	.050	150	N	N	30	70	1.0	N	30	10	N	N
099W0400	29	.15	7.00	15.00	.015	50	N	N	20	N	1.0	N	20	7	N	N
099W0410	29	.15	10.00	15.00	.007	70	N	N	50	N	N	N	10	7	N	N
099W0420	29	.20	10.00	20.00	.015	70	N	N	30	N	N	N	15	10	N	N
099W0430	29	.70	7.00	20.00	.050	70	N	N	50	70	1.0	N	20	15	N	N
099W0440	29	.70	7.00	20.00	.070	100	N	N	50	70	1.0	N	30	15	N	N
099W0450	29	.50	7.00	20.00	.030	70	N	N	30	50	<1.0	N	20	10	N	N
099W0460	29	.50	10.00	>20.00	.020	100	N	N	30	<20	<1.0	N	15	7	N	N
099W0470	29	.50	7.00	20.00	.020	100	N	N	20	N	<1.0	N	300	7	N	N
099W0480	29	.10	7.00	15.00	<.002	50	N	N	10	N	1.0	N	5	5	N	N
099W0490	29	.50	10.00	20.00	.020	100	N	N	30	10	1.0	N	15	5	N	N
099W0500	28	.30	10.00	20.00	.010	70	N	N	20	N	<1.0	N	16	<5	N	N
099W0510	28	.50	7.00	15.00	.020	70	N	N	50	10	1.0	N	20	7	N	N
099W0520	28	.30	10.00	>20.00	.015	70	N	N	30	10	1.0	N	10	5	N	N
099W0530	28	.15	10.00	15.00	.005	100	N	N	20	N	<1.0	N	<10	<5	N	N
099W0540	28	.50	10.00	>20.00	.020	100	N	N	50	<20	<1.0	N	15	5	N	N
099W0550	28	.50	10.00	20.00	.020	100	N	N	20	<20	<1.0	N	10	<5	N	N
099W0560	28	.50	10.00	20.00	.015	70	N	N	20	N	1.0	N	15	15	N	N
099W0570	28	.30	10.00	20.00	.007	100	N	N	30	N	N	N	10	5	N	N
099W0580	28	.30	10.00	15.00	.013	100	N	N	20	N	<1.0	N	10	5	N	N

Sample	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
099W0250	N	5	10	N	150	<10	N	N	10	30
099W0260	N	7	15	<5	100	10	N	N	20	20
099W0270	N	5	10	N	100	<10	N	<10	5	5
099W0280	N	5	10	N	150	10	N	10	<5	
099W0290	N	7	15	<5	150	15	N	30	<5	
099W0300	N	<5	10	N	N	<10	N	N	5	
099W0310	N	7	15	N	150	10	N	20	<5	
099W0320	N	<5	<10	N	150	10	N	15	<5	
099W0330	N	<5	<10	N	100	<10	N	10	<5	
099W0340	N	N	<10	N	100	<10	N	50	<5	
099W0350	N	N	<10	N	N	<10	N	20	<5	
099W0360	N	5	10	N	N	10	N	20	<5	
099W0370	N	<5	<10	N	N	10	N	10	<5	
099W0380	N	7	<10	<5	150	20	N	30	<5	
099W0390	N	10	10	N	100	15	N	30	5	
099W0400	N	<5	<10	N	N	<10	N	N	25	
099W0410	N	N	<10	N	150	<10	N	N	25	
099W0420	N	10	N	150	10	N	30	30	20	
099W0430	10	20	<5	100	10	N	30	15		
099W0440	15	20	N	150	15	N	50	<5		
099W0450	10	15	<5	100	10	N	30	<5		
099W0460	N	10	20	N	150	10	N	20	15	
099W0470	N	10	20	N	150	10	N	30	125	
099W0480	N	N	<10	N	N	<10	N	N	35	
099W0490	N	5	20	N	100	<10	N	20	35	
099W0500	N	<5	15	N	N	10	N	<10	15	
099W0510	N	10	10	N	150	10	N	20	5	
099W0520	N	<5	15	N	150	<10	N	20	50	
099W0530	N	N	10	N	N	<10	N	N	85	
099W0540	N	7	10	N	100	10	N	15	105	
099W0550	N	5	<10	N	N	10	N	N	15	
099W0560	N	7	20	N	N	<10	300	<10	500	
099W0570	N	5	15	N	100	<10	500	<10	510	
099W0580	N	5	15	N	100	<10	N	N	50	

Sample	Form	S-FEZ	S-M6%	S-C4%	S-T1%	S-MN	S-B	S-BA	S-BE	S-CU	S-CR	S-CO	S-VO	S-NI	S-PB	S-SR	S-V
099W0590	28	.50	7.00	15.00	.010	70	20	N	N	<10	5	15.0	100	15	15	100	<10
099W0600	28	.30	7.00	20.00	.007	70	20	N	N	<10	5	7.0	100	20	20	100	<10
099W0610	28	.30	7.00	15.00	.015	100	20	N	N	10	5	7.0	5	15	<100	10	<10
099W0620	28	.50	7.00	15.00	.020	70	20	N	N	15	5	5.0	7	15	<100	10	<100
099W0630	28	.50	10.00	15.00	.020	100	30	N	N	15	10	15.0	7	15	15	100	10
099W0640	28	.70	10.00	15.00	.030	100	50	N	N	<1	20	10	20.0	10	20	<100	10
099W0650	28	.50	10.00	20.00	.020	100	20	N	N	<1	15	7	15.0	7	15	100	10
099W0660	28	.30	10.00	15.00	.015	70	20	N	N	10	7	7.0	7	10	100	15	100
099W0670	28	.30	7.00	15.00	.005	50	30	N	N	<1	10	5	7.0	<5	10	N	<10
099W0680	28	.50	10.00	20.00	.010	100	30	N	N	<10	10	30.0	10	15	150	10	
099W0690	28	.50	10.00	20.00	.007	100	30	N	N	<10	5	<5	N	N	<10	150	<10
099W0700	28	.15	7.00	15.00	.003	70	20	N	N	<1	5	20	<5.0	10	<10	150	<10
099W0710	28	.70	5.00	20.00	.030	70	50	N	N	<20	1	7	<5.0	5	15	100	<10
099W0720	28	.50	7.00	15.00	.020	70	30	N	N	<20	1	7	<5.0	N	<10	150	<10
099W0730	28	.15	7.00	15.00	.002	50	15	N	N	<1	5	<5	N	N	<10	150	<10
099W0740	28	.07	7.00	10.00	<.002	50	10	N	N	N	N	<5	N	N	<100	10	
099W0750	28	.20	7.00	>20.00	.015	100	20	N	N	N	N	<5	N	N	20	150	<10
099W0760	28	.30	10.00	20.00	.015	70	30	N	N	<1	15	5	15.0	5	15	100	10
099W0770	28	.50	10.00	20.00	.015	50	15	N	N	<1	10	7	7	7	20	<100	10
099W0780	28	.30	10.00	20.00	.015	100	50	N	N	<1	10	10	5	10	150	10	
099W0790	20	.30	7.00	15.00	.010	70	30	N	N	<1	15	10	5.0	7	30	150	10
099W0800	20	.15	5.00	10.00	.005	70	10	N	N	<1	10	5	N	N	<100	100	<10
099W0810	20	.05	3.00	7.00	<.002	50	<10	N	N	<10	<5	N	<5	N	<10	N	<10
099W0820	20	.10	5.00	15.00	<.002	70	<10	N	N	<5	N	N	N	N	10	100	<10
099W0830	20	.20	5.00	15.00	.007	70	20	N	N	<10	5	N	N	N	10	100	10
099W0840	20	.15	5.00	15.00	.005	70	20	N	N	N	N	10	7	7	30	150	10
099W0850	20	.10	3.00	10.00	.002	50	20	N	N	<1	10	5	N	N	<100	100	<10
099W0860	20	.15	3.00	7.00	.005	70	15	N	N	<1	10	7	<5.0	7	10	N	<10
099W0870	20	.30	5.00	10.00	.015	100	30	N	N	<1	15	<5	5.0	5	15	150	10
099W0880	20	.50	7.00	20.00	.015	100	20	N	N	<1	10	7	N	N	<10	100	<10
099W0890	20	.15	10.00	>20.00	<.007	70	10	N	N	<1	10	<5	N	N	<5	10	<10
099W0900	20	.10	7.00	15.00	<.002	50	N	N	N	<1	10	<5	N	N	<5	10	<10
099W0910	20	.10	5.00	15.00	<.002	50	<10	N	N	<5	10	<5	N	N	<5	10	<10
099W0920	20	.15	5.00	15.00	.010	100	20	N	N	<10	5	7.0	7.0	5	10	100	15
099W0930	20	.15	7.00	15.00	.007	100	15	N	N	<5	10	7	5.0	5	30	100	10
099W0940	20	.10	3.00	7.00	.005	50	10	N	N	N	N	<5	N	N	N	N	<10
099W0950	20	.30	7.00	15.00	.015	100	15	N	N	<10	5	7.0	<5	5	15	100	<10
099W0960	20	.20	10.00	15.00	.010	100	10	N	N	<10	<5	5.0	N	N	<5	100	<10
099W0970	20	.15	7.00	15.00	.002	100	10	N	N	<10	N	N	N	N	5	150	<10
099W0980	19	.10	5.00	15.00	<.002	50	<10	N	N	<10	N	7	5.0	5	20	N	<10
099W0990	19	.07	5.00	15.00	<.002	50	10	N	N	<5	N	N	N	N	5	10	N
099W1000	19	.20	3.00	15.00	.010	100	70	N	N	<10	N	5	5.0	5	15	100	<10
099W1010	19	.30	5.00	15.00	.013	150	15	N	N	<10	N	5	N	5	15	15	<100
099W1020	19	.20	7.00	15.00	.010	100	10	N	N	<10	N	10	5	5	10	100	<100
099W1030	19	.07	7.00	15.00	<.002	100	10	N	N	<5	N	5	<5	N	<5	100	<100

Sample	S-Z N	S-Z R	AA-Z N
099W0590	N	N	130
099W0610	N	N	45
099W0610	N	N	5
099W0620	N	20	20
099W0630	N	20	20
099W0640	N	10	15
099W0650	N	10	5
099W0660	N	10	5
099W0670	N	N	150
099W0680	N	N	10
099W0690	N	N	25
099W0700	N	N	>
099W0710	N	20	35
099W0720	N	<10	10
099W0730	N	N	<5
099W0740	N	N	10
099W0750	N	10	65
099W0760	N	N	25
099W0770	N	10	45
099W0780	N	30	105
099W0790	N	N	10
099W0800	N	<10	45
099W0810	N	N	20
099W0820	N	N	20
099W0830	N	N	25
099W0840	N	N	55
099W0850	N	15	15
099W0860	N	20	20
099W0870	N	15	35
099W0880	N	<10	20
099W0890	N	N	<5
099W0900	N	N	10
099W0910	N	N	15
099W0920	N	30	<5
099W0930	N	<10	30
099W0940	N	N	30
099W0950	N	<10	15
099W0960	N	20	10
099W0970	N	N	10
099W0980	N	N	5
099W0990	N	N	<5
099W1000	N	N	15
099W1010	N	N	5
099W1020	N	N	<5
099W1030	N	N	10

38

Sample	Form	S-FE%	S-KG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-MO	S-NI	S-PB	S-SR	S-V
099W1040	19	.05	5.00	15.00	.003	70	<10	N	N	N	N	N	N	N	N	<10	<10
099W1050	19	.05	5.00	15.00	<.002	70	<10	N	N	N	N	N	N	N	N	<10	<10
099W1060	19	.05	5.00	15.00	.002	150	20	N	N	N	N	N	N	N	N	<10	<10
099W1070	19	1.00	5.00	15.00	.007	100	15	N	N	N	N	N	N	N	N	<10	<10
099W1080	19	.07	5.00	15.00	<.002	70	10	N	N	N	N	N	N	N	N	<10	<10
099W1090	19	.10	7.00	15.00	.002	100	15	N	N	N	N	N	N	N	N	<10	<10
099W1100	19	.15	5.00	15.00	.005	100	15	N	N	N	N	N	N	N	N	10	10
099W1110	19	.15	3.00	15.00	.010	70	15	N	N	N	N	N	N	N	N	10	10
099W1120	19	.10	7.00	15.00	<.002	100	<10	N	N	N	N	N	N	N	N	<10	<10
099W1130	19	.05	3.00	10.00	<.002	100	20	N	N	N	N	N	N	N	N	<10	<10
099W1140	19	<.05	7.00	15.00	.002	70	10	N	N	N	N	N	N	N	N	<100	<100
099W1150	19	.20	7.00	15.00	.005	70	15	N	N	N	N	N	N	N	N	<100	10
099W1160	19	.15	10.00	20.00	.007	190	10	N	N	N	N	N	N	N	N	10	10
099W1170	19	.15	7.00	15.00	.010	100	<10	N	N	N	N	N	N	N	N	<10	<10
099W1180	19	.10	7.00	15.00	.003	100	<10	N	N	N	N	N	N	N	N	<100	10
099W1190	19	.15	7.00	15.00	.005	70	10	N	N	N	N	N	N	N	N	<100	<100
099W1200	19	.50	5.00	15.00	.030	100	30	N	N	N	N	N	N	N	N	20	20
099W1210	19	.15	5.00	10.00	<.002	70	10	N	N	N	N	N	N	N	N	<5	<5
099W1220	19	.50	5.00	15.00	.020	70	15	N	N	N	N	N	N	N	N	15	15
099W1230	19	.15	5.00	15.00	.007	100	15	N	N	N	N	N	N	N	N	7.0	7
099W1240	19	.15	3.00	10.00	.002	70	<10	N	N	N	N	N	N	N	N	5	5
099W1250	19	.30	7.00	15.00	.015	100	20	N	N	N	N	N	N	N	N	15	15
099W1260	19	.20	7.00	15.00	.010	100	15	N	N	N	N	N	N	N	N	10	10
099W1270	19	.10	5.00	15.00	.002	70	15	N	N	N	N	N	N	N	N	<10	<10
099W1280	19	.20	2.00	10.00	.007	50	<10	N	N	N	N	N	N	N	N	10	10
099W1290	19	.15	5.00	15.00	.003	30	<10	N	N	N	N	N	N	N	N	10	10
099W1300	19	.50	7.00	15.00	.030	100	20	N	N	N	N	N	N	N	N	100	100
099W1310	19	.20	7.00	15.00	.010	70	15	N	N	N	N	N	N	N	N	10	10
099W1320	19	.05	5.00	10.00	<.002	20	<10	N	N	N	N	N	N	N	N	<20	20
099W1330	19	.20	7.00	15.00	.010	100	20	N	N	N	N	N	N	N	N	5	5
099W1340	18	.67	3.00	7.00	.003	50	10	N	N	N	N	N	N	N	N	<5	<5
099W1350	18	<.05	.30	.30	.005	<10	10	N	N	N	N	N	N	N	N	30.0	30.0
099W1360	18	.05	.75	.15	.005	<10	10	N	N	N	N	N	N	N	N	5	5
099W1370	18	.07	.03	.20	<.007	<10	10	N	N	N	N	N	N	N	N	<5	<5
099W1380	18	.15	.30	.50	.010	100	15	N	N	N	N	N	N	N	N	20	20
099W1390	18	.50	7.00	10.00	.030	150	15	N	N	N	N	N	N	N	N	10	5
099W1400	17	.15	3.00	15.00	.002	20	N	N	N	N	N	N	N	N	N	5	5
099W1410	17	.10	5.00	15.00	<.002	30	N	N	N	N	N	N	N	N	N	<10	<10
099W1420	17	.10	5.00	15.00	<.002	50	N	N	N	N	N	N	N	N	N	5	5
099W1430	17	.10	5.00	15.00	<.002	50	<10	N	N	N	N	N	N	N	N	20	20
099W1440	17	.15	5.00	15.00	.002	70	<10	N	N	N	N	N	N	N	N	10	10
099W1450	17	.07	3.00	10.00	<.002	50	N	N	N	N	N	N	N	N	N	7	7
099W1460	17	.15	5.00	15.00	.002	100	15	N	N	N	N	N	N	N	N	5	5
099W1470	17	.10	5.00	15.00	<.002	70	<10	N	N	N	N	N	N	N	N	5	5
099W1480	17	.05	3.00	10.00	<.002	50	N	N	N	N	N	N	N	N	N	7	7

Sample	S-ZN	S-ZR	AA-ZN
099W1040			5
099W1050			20
099W1060			30
099W1070			40
099W1080			<5
099W1090			<5
099W1100			<5
099W1110			10
099W1120			<5
099W1130			<5
099W1140			<5
099W1150			<5
099W1160			<5
099W1170			<5
099W1180			10
099W1190			5
099W1200			30
099W1210			30
099W1220			10
099W1230			<5
099W1240			<5
099W1250			<5
099W1260			5
099W1270			<5
099W1280			<5
099W1290			<5
099W1300			30
099W1310			<5
099W1320			<5
099W1330			<5
099W1340			<5
099W1350			30
099W1360			20
099W1370			50
099W1380			30
099W1390			<10
099W1400			585
099W1410			<5
099W1420			<5
099W1430			<5
099W1440			<5
099W1450			<5
099W1460			<5
099W1470			<5
099W1480			<5

Sample	Form	S-FEZ	S-MG%	S-CAZ	S-TIZ	S-MN	S-A	S-BA	S-BE	S-CO	S-CR	S-CU	S-V0	S-NI	S-SR	S-PB	S-V
099W1490	17	.10	7.00	15.00	.002	70	10	N	N	<10	5	N	<5	10	N	<10	
099W1500	17	.20	7.00	10.00	.010	70	15	N	N	10	15	5	5	15	N	10	
099W1510	17	.10	3.00	10.00	<.002	50	<10	N	N	<10	10	5.0	5.0	N	<10		
099W1520	17	.05	5.00	15.00	<.002	70	<10	N	N	N	5	<5.0	<5.0	N	<10		
099W1530	17	.10	5.00	15.00	<.002	70	<10	N	N	N	10	5	<5.0	N	<10		
099W1540	17	.07	5.00	10.00	<.002	50	N	20	N	N	10	N	N	<10	N	<10	
099W1550	17	.07	5.00	10.00	<.002	30	<10	N	N	<10	5	N	<5	N	<10		
099W1560	17	.15	3.00	10.00	.020	30	15	N	N	15	15	7	7	N	10		
099W1570	17	.07	3.00	10.00	<.002	50	<10	N	N	N	7	N	N	<10	N	<10	
099W1580	17	<.05	3.00	10.00	<.002	20	N	20	N	N	5	N	<10	N	<10		
099W1590	17	.15	7.00	15.00	.002	70	10	20	N	N	10	N	N	<10	N	<10	
099W1600	17	.05	5.00	10.00	<.002	50	N	20	N	N	10	N	N	<10	N	<10	
099W1610	17	.07	7.00	15.00	<.002	70	<10	N	N	N	10	<5.0	<5.0	N	<10		
099W1620	17	.07	5.00	10.00	<.002	50	<10	N	N	N	10	15.0	15.0	N	<10		
099W1630	17	.10	7.00	20.00	<.002	50	N	20	N	N	N	20.0	20.0	N	<10		
099W1640	17	.27	7.00	15.00	<.002	50	N	N	N	N	10	10	20.0	N	10		
099W1650	17	.10	7.00	15.00	.002	70	N	N	N	N	10	N	N	<10	N	<10	
099W1660	16	.10	7.00	15.00	.005	70	10	N	N	N	15	15	<5	<10	N	15	
099W1670	16	.15	5.00	10.00	<.002	70	N	N	N	N	15	N	N	<10	N	<10	
099W1680	16	.10	5.00	15.00	<.002	50	N	N	N	N	5	N	N	<10	N	<10	
099W1690	16	.10	5.00	15.00	<.002	70	N	N	N	N	5	N	N	N	N	<10	
099W1700	16	.07	5.00	10.00	<.002	50	N	N	N	N	<5	N	N	N	N	<10	
099W1710	16	.20	7.00	15.00	<.002	150	<10	N	N	N	20	5.0	7	20	N	10	
099W1720	16	.30	7.00	15.00	.020	50	20	N	N	N	15	10	N	<10	N	15	
099W1730	16	.30	7.00	15.00	.005	100	10	N	N	N	10	15	<.5	5	20	10	
099W1740	16	.50	5.00	10.00	.005	70	10	N	N	N	10	15	<.5	7	30	N	
																10	

Sample	S-LR	S-ZN	AA-ZN
099W1490	N	N	<5
099W1500	N	N	<5
099W1510	N	N	<5
099W1520	N	N	<5
099W1530	N	N	<5
099W1540	N	N	15
099W1550	N	N	<5
099W1560	N	N	<5
099W1570	N	N	5
099W1580	N	N	<5
099W1590	N	N	<5
099W1600	N	N	<5
099W1610	N	N	<5
099W1620	N	N	<5
099W1630	N	N	<5
099W1640	N	N	5
099W1650	N	N	<5
099W1660	N	N	<5
099W1670	N	N	<5
099W1680	N	N	<5
099W1690	N	N	5
099W1700	N	N	5
099W1710	N	N	15
099W1720	20	N	5
099W1730	N	N	5
099W1740	10	N	

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB
099W1750	16	.15	5.00	10.00	.005	30	10	N	N	<5	10	50	N	7	20	
099W1760	16	.30	5.00	15.00	.020	100	10	N	N	5	15	30	N	10	30	
099W1770	16	.50	7.00	15.00	.030	20	N	1.5	<5	20	10	N	20	N	50	
099W1780	15	.10	5.00	10.00	.002	50	N	N	N	<10	5	N	N	<5	15	
099W1790	15	.15	5.00	10.00	.002	70	<10	N	N	10	5	N	10	5	20	
099W1800	15	.20	7.00	20.00	.005	150	10	N	N	<10	15	N	10	7	20	
099W1810	15	.30	7.00	15.00	.020	300	10	N	N	5	10	N	7	5	30	
099W1820	15	.50	5.00	15.00	.010	200	<10	N	N	5	10	7	N	5	30	
099W1830	15	.70	7.00	20.00	.020	700	10	N	N	5	10	7	N	<5	30	
099W1840	15	.50	7.00	15.00	.030	500	10	N	N	10	5	N	N	7	50	
099W1850	15	.70	7.00	15.00	.070	200	15	300	N	<5	15	5	N	5	30	
099W1860	15	.50	7.00	20.00	.070	200	20	200	N	<5	15	N	N	<5	20	
099W1870	15	.70	7.00	15.00	.070	200	20	200	N	<5	15	N	N	<5	30	
099W1880	15	.70	7.00	15.00	.070	200	30	200	<1.0	<5	20	N	N	<5	30	
099W1890	15	1.00	7.00	15.00	.100	200	50	200	1.0	<5	20	N	N	<5	30	
099W1900	15	1.00	5.00	15.00	.070	300	30	150	1.0	<5	15	N	N	5	15	
099W1910	14	1.50	5.00	10.00	.100	500	100	300	1.5	10	30	N	N	7	20	
099W1920	14	1.00	5.00	15.00	.100	500	50	200	1.5	7	50	N	N	7	10	
099W1930	14	1.50	5.00	10.00	.200	700	70	700	2.0	15	20	N	N	10	10	
099W1940	13	5.00	3.00	5.00	.150	500	100	700	10.0	50	15	N	N	15	50	
099W1950	13	2.00	1.00	1.50	.150	200	20	700	2.0	10	<10	7	30	N	15	
099W1960	12	.70	.30	.20	.20	50	15	1,000	1.5	7	<10	20	30	N	10	
099W1970	12	.50	.10	.10	.020	20	10	150	<1.0	7	N	<5	30	N	15	
099W1980	12	.50	.15	.25	.050	<10	20	<20	<1.0	15	N	5	30	N	7	
099W1990	12	.70	.10	<.25	.020	<10	15	50	N	5	N	5	30	N	15	
099W2000	12	2.00	.50	.55	.150	50	70	300	3.0	70	10	>50	N	30	100	
099W2010	12	1.00	.20	.25	.200	30	50	500	3.0	7	<10	15	30	N	20	
099W2020	12	.50	.15	.20	.150	<10	30	700	1.5	<5	N	5	30	N	<5	
099W2030	12	.50	.50	.15	.150	20	30	700	2.0	5	<10	15	50	N	10	
099W2040	12	.30	.20	.15	.200	<10	10	1,000	1.5	N	<10	10	30	N	10	
099W2050	12	.50	.20	.15	.200	20	10	1,500	2.0	N	<10	<5	20	N	<10	
099W2060	12	.50	.20	.20	.300	20	20	1,500	2.0	N	<10	<5	20	N	10	
099W2070	12	1.00	.50	.20	.200	50	50	1,500	5.0	<5	15	50	N	20	20	
099W2075	11	.70	.30	.30	.200	100	20	1,500	2.0	N	<5	15	50	N	15	

Sample	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
029W1750	N	N	<10	N	N	<5
029W1760	N	N	10	N	20	10
099W1770	N	N	10	N	30	<5
099W1780	N	N	<10	N	N	<5
099W1790	N	N	<10	N	N	10
099W1800	N	100	<10	N	10	5
099W1810	N	100	<10	N	30	<5
099W1820	N	N	<10	N	10	<5
099W1830	N	100	<10	<10	20	5
099W1840	N	100	<10	<10	30	5
099W1850	N	100	10	10	70	5
099W1860	<5	100	10	15	50	5
099W1870	<5	100	10	15	50	5
099W1880	<5	100	10	15	70	5
099W1890	<5	100	10	15	50	5
099W1900	<5	<100	10	15	50	5
099W1910	5	100	10	20	100	<5
099W1920	5	100	10	20	50	<5
099W1930	7	150	20	30	150	<5
099W1940	5	100	20	30	150	<5
099W1950	<5	<100	10	20	>1,000	<5
099W1960	N	<100	10	20	1,000	<5
099W1970	N	N	<10	10	700	<5
099W1980	N	N	<10	10	500	<5
099W1990	N	N	<10	<10	150	<5
099W2000	<5	N	20	20	>1,000	5
099W2010	N	N	15	20	>1,000	<5
099W2020	N	N	<10	15	>1,000	<5
099W2030	N	100	<10	20	>1,000	<5
099W2040	<5	<100	<10	30	>1,000	<5
099W2050	5	<100	<10	30	>1,000	<5
099W2060	<5	100	10	20	700	<5
099W2070	<5	150	10	30	300	<5
099W2075	<5	100	10	20	300	20

TABLE 6.--Spectrographic analyses of whole-rock samples from drill hole no. 100.

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-3	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB
100W0730	18	.10	7.00	15.00	<.002	>0	10	N	N	N	N	7	N	7	N	10
100W0740	18	<.05	1.00	1.50	.002	<10	10	20	N	N	N	<5	N	N	N	N
100W0750	18	<.05	.10	*1.0	*.03	<10	15	N	N	N	N	<5	N	N	N	N
100W0760	18	<.05	.02	<.05	*.02	<10	10	N	N	N	N	<>	N	N	N	N
100W0770	18	<.05	.02	<.05	*.03	<10	10	N	N	N	N	<5	N	N	N	N
100W0780	18	<.05	.03	.07	.003	<10	10	N	N	N	N	<5	N	N	N	N
100W0790	17	*15	2.00	3.00	*.05	50	15	N	N	<10	<5	N	7	N	N	N
100W0800	17	*15	3.00	3.00	<.002	30	<10	N	N	<10	<5	N	<5	N	N	20
100W0810	17	*15	3.00	3.00	*.020	50	20	N	N	N	10	5	N	N	N	15
100W0820	17	<.05	3.00	3.00	<.002	50	<10	N	N	<10	N	5	N	N	N	<10
100W0830	17	.10	5.00	5.00	<.002	70	15	N	N	N	N	5	N	N	N	10

Sample	S-SC	S-SSR	S-V	S-Y	S-ZR	AA-ZN
100W0730	N	<100	<10	N	N	5
100W0740	N	N	<10	N	50	<5
100W0750	N	N	<10	N	<10	<5
100W0760	N	N	<10	N	20	<5
10CW0770	N	N	<10	N	15	<5
100W0780	N	N	<10	N	150	<5
100W0790	N	N	<10	N	<10	<5
100W0800	N	N	<10	N	N	<5
100W0810	N	N	<10	N	N	<5
100W0820	N	N	<10	N	<10	<5
100W0830	N	N	<10	N	N	10

Sample	Form	S-FEE%	S-MGZ	S-CA%	S-TIZ%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB
100W1340	17	<.05	3.00	3.00	<.002	30	N	N	N	N	<10	5	N	N	N	N
100W1850	17	<.05	.3.00	3.00	<.002	20	N	N	N	N	<10	<5	N	N	N	N
100W0860	17	<.05	3.00	2.00	<.002	10	N	N	N	N	<5	N	N	N	N	N
100W0870	17	<.05	3.00	3.00	<.002	30	N	N	N	N	<5	N	N	N	N	N
100W0380	17	<.15	3.00	3.00	<.020	20	20	N	N	N	10	10	N	N	5	15
100W0890	17	<.05	2.00	3.00	<.002	10	N	N	N	N	<10	N	N	N	N	N
100W0900	17	<.10	3.00	5.00	<.003	30	<10	N	N	N	<10	N	N	N	N	N
100W0910	17	<.15	5.00	5.00	<.002	50	<10	N	N	N	<10	N	N	N	N	N
100W0920	17	<.05	5.00	5.00	<.002	50	<10	N	N	N	<5	N	N	N	N	N
100W0930	17	<.05	3.00	5.00	<.002	30	<10	N	N	N	<5	N	N	N	N	N
100W0940	17	<.05	5.00	5.00	<.002	50	N	N	N	N	<10	<5	N	N	N	N
100W0950	17	<.05	5.00	7.00	<.002	50	10	N	N	N	<10	N	N	N	N	N
100W0960	17	<.05	5.00	10.00	<.002	30	N	N	N	N	<10	<5	N	N	N	N
100W0970	17	<.10	7.00	15.00	<.002	50	15	N	N	N	<10	N	N	N	N	N
100W0980	17	<.07	5.00	10.00	<.002	30	<10	N	N	N	<10	N	N	N	N	N
100W0990	17	<.05	5.00	10.00	<.002	20	<10	N	N	N	<10	N	N	N	N	N
100W1000	17	<.07	5.00	15.00	<.002	50	10	N	N	N	<10	N	N	N	N	N
100W1010	17	<.10	3.00	10.00	<.002	30	10	N	N	N	<10	N	N	N	N	N
100W1020	17	<.07	5.00	15.00	<.002	50	<10	N	N	N	<10	N	N	N	N	N
100W1030	17	<.05	3.00	10.00	<.002	20	N	N	N	N	<10	N	N	N	N	N
100W1040	17	<.07	5.00	10.00	<.002	30	N	N	N	N	<10	N	N	N	N	N
100W1050	17	<.07	5.00	10.00	<.002	50	<10	N	N	N	<10	N	N	N	N	N
100W1060	17	<.10	5.00	10.00	<.002	50	<10	N	N	N	<10	N	N	N	N	N
100W1070	16	<.20	7.00	15.00	<.020	50	20	N	N	N	<15	N	N	N	N	N
100W1080	16	<.07	3.00	10.00	<.002	30	<10	N	N	N	<10	N	N	N	N	N
100W1090	16	<.50	5.00	15.00	<.002	70	15	N	N	N	<15	N	N	N	N	20
100W1100	16	<.10	3.00	10.00	<.002	70	<10	N	N	N	<10	N	N	N	N	N
100W1110	16	<.05	3.00	10.00	<.002	20	<10	N	N	N	<10	N	N	N	N	N
100W1120	16	<.10	5.00	10.00	<.002	30	<10	N	N	N	<10	N	N	N	N	N
100W1130	16	<.10	5.00	15.00	<.002	50	<10	N	N	N	<10	N	N	N	N	N
100W1140	16	<.07	5.00	15.00	<.002	30	<10	N	N	N	<10	N	N	N	N	N
100W1150	16	<.10	7.00	15.00	<.002	50	10	N	N	N	<10	N	N	N	N	N
100W1160	16	<.05	5.00	10.00	<.002	15	N	N	N	N	<5	N	N	N	N	N
100W1170	16	<.05	5.00	10.00	<.002	20	<10	N	N	N	<5	N	N	N	N	N
100W1180	16	<.10	7.00	10.00	<.002	50	10	N	N	N	<5	N	N	N	N	N
47	100W1190	16	<.30	7.00	20.00	.015	70	10	N	N	<5	N	10	5	10	10
100W1200	16	<.15	5.00	15.00	.013	79	20	N	N	N	<10	N	N	N	5	10
100W1210	16	<.10	7.00	15.00	.010	70	20	N	N	N	<10	N	N	N	5	10
100W1220	15	<.20	7.00	15.00	.003	100	<10	N	N	N	<5	N	N	N	<5	10
100W1230	15	<.20	5.00	15.00	.002	70	<10	N	N	N	<5	N	N	N	7	10
100W1240	15	<.50	7.00	20.00	.020	150	10	N	N	N	5	10	7	15	10	15
100W1250	15	<.50	7.00	15.00	.050	100	20	100	100	100	5	10	7	15	10	15
100W1260	15	<.30	7.00	15.00	.032	70	15	70	70	70	5	10	7	15	7	15
100W1270	15	<.70	7.00	20.00	.050	100	20	100	100	100	5	10	7	15	10	20
100W1280	15	<.70	7.00	15.00	.100	150	30	200	200	200	5	10	7	15	10	20

Sample	S-S-C	S-S-R	S-V	S-Y	S-ZR	AA-ZN
100W0840	N N Z Z Z	N N N N N	<10	N N N	N N N	<5
100W0820	Z Z Z Z Z	N N N N N	<10	N N N	N N N	<5
100W0860	Z Z Z Z Z	N N N N N	<10	N N N	N N N	<5
100W0870	Z Z Z Z Z	N N N N N	<10	N N N	N N N	<5
100W0880	Z Z Z Z Z	N N N N N	10	N N N	N N N	10
100W0890	Z Z Z Z Z	N N N N N	10	N N N	N N N	5
100W0940	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W0950	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W0960	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W0970	Z Z Z Z Z	N N N N N	10	N N N	N N N	5
100W0980	Z Z Z Z Z	N N N N N	<10	N N N	N N N	10
100W0990	Z Z Z Z Z	N N N N N	<10	N N N	N N N	25
100W1000	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1010	Z Z Z Z Z	N N N N N	<10	N N N	N N N	10
100W1020	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1030	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1040	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1050	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1060	Z Z Z Z Z	N N N N N	<10	N N N	N N N	10
100W1070	Z Z Z Z Z	N N N N N	20	N N N	N N N	10
100W1080	Z Z Z Z Z	N N N N N	<10	N N N	N N N	10
100W1090	Z Z Z Z Z	N N N N N	100	10	N N N	10
100W1100	Z Z Z Z Z	N N N N N	10	N N N	N N N	10
100W1110	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1120	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1130	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1140	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1150	Z Z Z Z Z	N N N N N	100	<10	N N N	5
100W1160	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1170	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1180	Z Z Z Z Z	N N N N N	<10	N N N	N N N	5
100W1190	Z Z Z Z Z	N N N N N	150	<10	N N N	10
100W1200	Z Z Z Z Z	N N N N N	100	10	N N N	5
100W1210	Z Z Z Z Z	N N N N N	100	10	N N N	5
100W1220	Z Z Z Z Z	N N N N N	100	<10	N N N	10
100W1230	Z Z Z Z Z	N N N N N	100	<10	N N N	5
100W1240	Z Z Z Z Z	N N N N N	150	10	<10	20
100W1250	Z Z Z Z Z	N N N N N	150	15	10	50
100W1260	Z Z Z Z Z	N N N N N	150	15	7	30
100W1270	Z Z Z Z Z	N N N N N	150	15	10	50
100W1280	Z Z Z Z Z	N N N N N	150	15	15	70

Sample	Form	S-FEZ	S-MEZ	S-CA%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB
100W1290	15	1.00	7.00	15.00	•100	100	30	200	<1.0	7	20	10	70	<5	10	20
100W1300	15	1.00	.7.00	15.00	•100	150	30	300	1.0	10	30	10	70	<5	15	20
100W1310	14	1.00	7.00	15.00	•070	300	30	200	1.0	7	20	10	50	N	10	15
100W1320	14	1.50	5.00	15.00	-150	300	50	700	1.5	10	50	15	100	N	15	15
100W1330	14	1.50	3.00	10.00	•300	300	50	1,000	2.0	10	70	15	100	N	15	15
100W1340	14	1.50	5.00	15.00	•150	500	50	300	2.0	15	50	10	70	N	15	20
100W1350	14	1.00	5.00	>20.00	•100	500	20	150	1.0	10	30	7	50	7	10	20
100W1360	14	1.00	5.00	20.00	•100	300	30	200	1.0	5	30	<5	70	N	7	10
100W1370	14	1.00	7.00	>20.00	•070	300	30	200	1.0	<5	30	<5	50	N	5	<10
100W1380	14	.70	1.50	>20.00	•150	100	50	300	1.5	<5	30	<5	50	N	5	<10
100W1390	14	.70	2.00	>20.00	•100	150	20	200	1.0	<5	30	<5	50	N	5	10
100W1400	14	.70	1.50	20.00	•150	150	50	300	1.5	<5	30	<5	70	N	5	10
100W1410	14	1.00	1.00	>20.00	•150	150	50	300	1.5	30	<5	70	N	7	10	10
100W1420	14	1.00	1.50	>20.00	•150	200	50	700	1.5	7	20	50	N	10	10	<10
100W1430	14	1.50	2.00	20.00	•150	300	20	500	1.5	10	20	<5	50	N	10	15
100W1440	14	1.00	1.50	20.00	•200	200	50	1,000	1.5	10	30	7	70	N	10	10
100W1450	14	1.50	3.00	15.00	•150	300	50	700	1.5	7	20	5	50	N	7	10
100W1460	14	2.00	7.00	15.00	•050	500	30	200	2.0	10	7	30	N	7	15	15
100W1470	14	2.00	5.00	10.00	•100	500	30	300	2.0	7	15	7	30	N	5	15
100W1480	14	1.50	5.00	10.00	•070	700	30	300	2.0	5	10	7	30	N	<5	15
100W1490	13	.30	.70	1.00	•070	70	15	300	<1.0	N	<10	5	30	N	5	<10
100W1500	13	.70	1.00	1.00	•300	100	20	1,000	1.0	7	15	7	50	N	7	15
100W1510	13	1.00	1.50	1.50	•500	100	30	1,000	1.5	10	50	10	70	N	10	15
100W1520	13	5.00	5.00	10.00	•100	700	30	300	2.0	10	15	7	30	N	10	<10
100W1530	13	3.00	3.00	7.00	•070	300	50	200	5.0	10	15	7	30	N	7	<10
100W1540	13	3.00	3.00	10.00	•100	500	50	500	5.0	20	30	15	50	N	15	20
100W1550	13	2.00	3.00	7.00	•200	300	10	1,000	1.5	10	30	7	70	N	10	15
100W1560	13	1.50	5.00	15.00	•050	1,000	20	700	1.0	5	30	5	30	N	5	15
100W1570	13	1.50	5.00	15.00	•050	700	15	500	1.5	<5	10	5	30	N	5	15

Sample	S-SC	S-SCR	S-V	S-Y	S-ZR	AA-ZN
100W1290	5	150	20	15	100	5
100W1300	7	150	20	15	100	5
100W1310	5	150	15	15	50	5
100W1320	10	150	30	20	100	5
100W1330	10	200	50	20	200	5
100W1340	7	150	30	15	150	5
100W1350	7	200	20	15	100	10
100W1360	7	200	20	15	100	5
100W1370	7	200	20	15	50	5
100W1380	10	300	15	20	100	10
100W1390	7	300	15	15	70	5
100W1400	10	300	15	20	100	5
100W1410	10	300	20	20	100	5
100W1420	7	500	20	20	100	5
100W1430	7	300	15	20	150	5
100W1440	10	300	20	30	100	5
100W1450	7	200	15	20	100	5
100W1460	5	100	<10	20	100	5
100W1470	5	100	<10	30	300	5
100W1480	5	N	<10	20	100	5
100W1490	N	100	10	15	700	5
100W1500	7	150	20	30	1,000	5
100W1510	10	150	30	30	500	5
100W1520	5	100	15	30	100	5
100W1530	5	150	15	20	70	5
100W1540	7	150	20	30	200	5
100W1550	7	150	30	30	300	5
100W1560	<5	100	<10	20	150	5
100W1570	5	100	10	20	150	5

50

50

Sample	Form	S-F-E%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO
100W1580	13	1.00	7.00	20.00	.030	500	N	N	20	200	1.0	<5	10	<5	30	
100W1590	13	1.50	5.00	15.00	.100	500	N	N	30	500	1.5	5	10	<5	30	
100W1600	13	2.00	7.00	15.00	.070	700	N	N	30	300	2.0	10	15	5	30	
100W1610	13	2.00	5.00	15.00	.050	1,000	N	N	30	500	2.0	7	10	<5	30	
100W1620	13	2.00	5.00	10.00	.100	700	N	N	30	500	2.0	7	10	5	30	
100W1630	13	1.50	5.00	10.00	.100	700	N	N	20	700	2.0	5	10	<5	50	
100W1640	13	1.50	2.00	5.00	.100	500	N	N	20	500	2.0	<5	<10	<5	30	
100W1650	13	1.00	2.00	5.00	.020	700	N	N	15	150	1.5	5	<10	<5	30	
100W1660	13	1.50	2.00	3.00	.000	1,000	N	N	30	700	2.0	7	10	7	50	
100W1670	13	2.00	2.00	3.00	.100	700	N	N	50	500	3.0	15	15	15	50	
100W1680	12	.30	.70	1.00	.010	200	N	N	10	50	N	5	N	7	20	
100W1690	12	.10	.10	.07	.030	15	N	N	20	50	N	<5	N	20	20	
100W1700	12	.10	.05	<.05	.020	20	N	N	15	<20	N	<5	N	20	20	
100W1710	12	.07	.07	.07	.020	100	N	N	15	<20	1.0	N	<5	N	20	
100W1720	12	.15	.07	.05	.070	100	N	N	15	20	1.0	15	15	15	20	
100W1730	12	.07	.07	.05	.050	<10	N	N	15	20	1.0	N	<5	N	20	
100W1740	12	.07	.05	.10	.050	<10	N	N	10	30	1.0	N	<5	N	20	
100W1750	12	.07	.02	.05	.030	<10	N	N	30	500	1.0	N	<5	N	20	
100W1760	12	.30	.10	.07	.100	30	N	N	20	700	1.0	N	<5	N	20	
100W1770	12	.20	.07	.07	.100	30	N	N	20	500	1.0	N	<5	N	20	
100W1780	12	.20	.07	.07	.070	20	N	N	20	500	<1.0	N	<5	N	20	
100W1790	12	.20	.07	.10	.050	30	N	N	20	300	1.0	N	<10	N	30	
100W1800	12	.70	.07	.05	.100	<10	N	N	20	700	1.0	N	<5	N	30	
100W1810	12	.50	.07	.07	.050	20	N	N	15	200	1.0	N	<5	N	20	
100W1820	12	.30	.10	.10	.070	50	N	N	30	300	<1.0	N	<5	N	50	
100W1830	12	.15	.05	.15	.030	<10	N	N	10	300	1.0	N	<5	N	70	
100W1840	12	.10	.05	.05	.050	20	N	N	10	300	1.0	N	<5	N	20	
100W1850	12	.10	.02	.15	.050	100	N	N	10	1,500	1.0	N	<5	N	20	
100W1860	12	.30	.20	.50	.100	100	N	N	10	1,500	1.5	N	10	N	50	
100W1870	12	.70	.20	.30	.200	500	N	N	30	1,000	1.5	N	20	15	50	
100W1880	11	1.50	.70	.70	.300	200	N	N	30	2,000	1.5	7	15	5	70	

Sample	S-NI	S-PR	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
100W1560	<5	10	5	150	<10	15	100	5
100W1590	N	10	5	150	10	20	300	5
100W1600	N	5	15	150	10	20	200	5
100W1610	N	5	<10	5	100	15	200	5
100W1620	N	5	<10	7	150	15	200	5
100W1630	N	5	<10	7	150	15	300	5
100W1640	N	5	<10	5	150	15	300	5
100W1650	N	15	<2	<100	10	20	70	5
100W1660	N	5	20	<5	150	10	300	5
100W1670	N	7	N	5	150	10	500	5
100W1680	N	7	N	N	<10	N	150	<5
100W1690	N	N	N	N	<10	N	70	<5
100W1700	N	N	N	N	<10	N	50	<5
100W1710	N	N	N	N	<10	N	150	<5
100W1720	N	N	N	N	<10	10	70	<5
100W1730	N	N	N	N	N	<10	10	100
100W1740	N	N	N	N	N	<10	10	150
100W1750	N	N	N	N	N	<10	10	150
100W1760	N	N	N	N	150	<10	200	<5
100W1770	N	N	N	N	N	10	15	200
100W1780	N	N	N	N	<100	10	15	300
100W1790	N	N	N	N	150	<10	20	50
100W1800	N	N	N	N	100	10	15	200
100W1810	N	N	N	N	<100	<10	15	150
100W1820	N	N	N	N	200	10	20	300
100W1830	N	N	N	N	N	150	<10	30
100W1840	N	N	N	N	N	<10	15	200
100W1850	N	N	N	N	N	15	15	150
100W1860	N	N	N	N	N	15	20	150
100W1870	N	20	10	N	N	20	50	>1,000
100W1880	N	5	15	7	150	30	30	200

137 520 0 0 0 0 0 0 0

TABLE 7.--Spectrographic analyses of whole-rock samples from drill hole no. 101.

Sample	F-FA	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-A%	S-BA	S-P	S-BE	S-CR	S-CO	S-CU	S-LA
101W0570	1.9	.10	7.00	-	15.00	.005	50	N	15	N	N	<10	<5	N	N
101W0580	1.9	.30	7.00	15.00	.002	50	N	N	10	N	N	<10	7	N	N
101W0590	1.9	.20	5.00	10.00	.020	70	N	N	20	N	N	<10	7	N	N
101W0600	1.9	.15	7.00	15.00	<.002	70	N	N	15	N	N	<5	N	10	N
101W0610	1.9	.15	7.00	15.00	<.002	70	N	N	10	N	N	<5	N	10	N
101W0620	1.9	.30	5.00	10.00	.007	50	N	N	10	N	N	<5	N	N	N
101W0630	1.9	.30	7.00	10.00	.010	70	N	N	15	N	N	<5	N	N	N
101W0640	1.9	.30	7.00	10.00	.015	100	N	N	15	N	N	<5	N	N	N
101W0650	1.9	.15	7.00	15.00	.002	70	N	N	<10	N	N	<5	N	N	N
101W0660	1.9	.10	7.00	15.00	.002	70	N	N	15	N	N	<5	N	N	N
101W0670	1.9	.15	5.00	10.00	.003	50	N	N	<10	N	N	<5	N	N	N
101W0680	1.9	.15	7.00	15.00	.015	70	N	N	10	N	N	<5	N	N	N
101W0690	1.9	.10	5.00	10.00	<.002	50	N	N	<10	N	N	<5	N	N	N
101W0700	1.9	.20	7.00	15.00	.020	70	N	N	15	N	N	<5	N	N	N
101W0710	1.9	.07	7.00	15.00	.002	50	N	N	<10	N	N	<5	N	N	N
101W0720	1.9	.05	7.00	10.00	<.002	30	N	N	<10	20	N	>5	N	N	N
101W0730	1.9	.15	5.00	15.00	.002	30	N	N	<10	N	N	<5	N	N	N
101W0740	1.9	.10	7.00	15.00	<.002	70	N	N	<10	N	N	<5	N	N	N
101W0750	1.8	<.05	5.00	10.00	.003	50	N	N	<10	N	N	<5	N	N	N
101W0760	1.8	<.05	.10	.30	.005	<10	N	N	20	N	N	<5	N	N	N
101W0770	1.8	<.05	.15	.30	.007	<10	N	N	<20	N	N	<5	N	N	N
101W0780	1.8	<.05	.50	.50	.007	<10	N	N	20	N	N	<5	N	N	N
101W0790	1.8	<.05	2.00	3.00	.002	15	N	N	<20	N	N	<5	N	N	N
101W0800	1.7	<.05	5.00	10.00	<.002	20	N	N	<10	N	N	<5	10	10	N
101W0810	1.7	<.05	5.00	15.00	<.002	30	N	N	<10	N	N	<5	10	10	N
101W0820	1.7	<.05	5.00	10.00	<.002	30	N	N	<20	N	N	<5	N	N	N

Sample	S-HD	S-KH	S-NI	S-PB	S-SC	S-SN	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
101W0570	5	N	N	<10	N	N	N	<10	N	N	N	20
101W0580	<5	N	N	15	N	N	N	<10	N	N	N	20
101W0590	15	N	N	5	10	N	100	10	N	N	N	25
101W0600	5	N	N	<10	N	N	150	<10	N	N	N	20
101W0610	5	N	N	15	N	N	100	<10	N	N	N	25
101W0620	20	N	N	5	15	N	100	<10	N	N	N	20
101W0630	20	N	N	5	10	N	100	10	N	N	N	5
101W0640	30	N	N	5	10	N	100	<10	N	N	N	<5
101W0650	10	N	N	<10	N	N	100	<10	N	N	N	10
101W0660	7	N	N	<10	N	N	<100	<10	N	N	N	<5
101W0670	15	N	<5	10	N	N	<10	N	N	N	N	15
101W0680	7	N	N	<10	N	N	N	10	N	N	N	<5
101W0690	<5	N	N	10	N	N	<10	N	N	N	N	25
101W0700	7	N	N	5	10	N	100	<10	N	N	N	5
101W0710	N	N	N	10	N	N	<10	N	N	N	N	90
101W0720	N	N	N	<10	N	N	<10	N	N	N	N	45
101W0730	N	N	N	10	N	N	<10	N	N	N	N	80
101W0740	N	N	N	10	N	N	<10	N	N	N	N	30
101W0750	N	N	N	<10	N	N	<10	N	N	N	N	15
101W0760	N	N	N	<10	N	N	<10	N	N	N	N	20
101W0770	N	N	N	<10	N	N	<10	N	N	N	N	5
101W0780	N	N	N	<10	N	N	<10	N	N	N	N	20
101W0790	N	N	N	<10	N	N	<10	N	N	N	N	15
101W0800	N	N	N	<10	N	N	<10	N	N	N	N	30
101W0810	N	N	N	<10	N	N	<10	N	N	N	N	80
101W0820	N	N	N	<10	N	N	<10	N	N	N	N	50

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA	S-BE	S-CD	S-CO	S-CR	S-CU	S-LA
101W0830	17	.05	7.00	15.00	<.002	50	N	N	15	N	N	N	N	N	5	N
101W0840	17	.05	5.00	10.00	<.002	50	N	N	<10	N	N	N	N	10	5	<5
101W0850	17	.05	5.00	10.00	<.002	50	N	N	<10	N	N	N	N	10	5	<5
101W0860	17	.05	3.00	10.00	<.002	50	N	N	N	N	N	N	N	10	5	<5
101W0870	17	.05	7.00	15.00	<.002	50	N	N	N	N	N	N	N	10	5	<5
101W0880	17	.05	5.00	10.00	<.002	30	N	N	N	N	N	N	N	15	5	N
101W0900	17	.05	5.00	15.00	<.002	50	N	N	N	N	N	N	N	15	5	N
101W0910	17	.05	3.00	10.00	<.002	30	N	N	N	N	N	N	N	7	5	N
101W0920	17	.05	5.00	10.00	<.002	30	N	N	N	N	N	N	N	10	5	N
101W0930	17	.07	5.00	10.00	<.002	50	N	N	N	N	N	N	N	<5	5	N
101W0940	17	<.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	<5	5	N
101W0950	17	.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	7	5	N
101W0960	17	<.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	7	5	N
101W0970	17	.15	5.00	10.00	<.002	50	N	N	N	N	N	N	N	10	5	N
101W0980	17	.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	15	5	N
101W0990	17	.10	5.00	10.00	<.002	50	N	N	N	N	N	N	N	10	5	N
101W1000	17	.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	<10	5	N
101W1010	17	.20	5.00	15.00	<.002	50	N	N	N	N	N	N	N	<10	5	N
101W1020	17	.05	5.00	10.00	<.002	50	N	N	N	N	N	N	N	<10	5	N
101W1030	17	.05	5.00	15.00	<.002	50	N	N	N	N	N	N	N	10	5	N
101W1040	17	<.05	5.00	10.00	<.002	20	N	N	N	N	N	N	N	10	5	N
101W1050	17	<.05	3.00	7.00	<.002	10	N	N	N	N	N	N	N	<10	5	N
101W1060	17	.15	5.00	15.00	<.002	70	N	N	N	N	N	N	N	10	5	N
101W1070	17	.05	5.00	10.00	<.002	30	N	N	N	N	N	N	N	7	5	N
101W1080	17	.10	5.00	15.00	<.002	70	N	N	N	N	N	N	N	15	10	N
101W1090	17	.10	5.00	15.00	<.002	70	N	N	N	N	N	N	N	<10	5	N

Sample	S-XO	S-NB	S-NI	S-PB	S-SC	S-SSN	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
101W0830	N	N	N	<10	N	N	N	<10	N	N	N	45
101W0840	N	N	N	<10	N	N	N	<10	N	N	N	25
101W0850	N	N	N	<10	N	N	N	<10	N	N	N	5
101W0860	N	N	N	<10	N	N	N	<10	N	N	N	5
101W0870	5	N	N	<10	N	N	N	<10	N	N	N	20
101W0880	<5	N	N	10	N	N	N	<10	N	N	N	10
101W0900	<5	N	N	10	N	N	N	<10	N	N	N	5
101W0910	5	N	N	10	N	N	N	<10	N	N	N	>
101W0920	5	N	N	10	N	N	N	<10	N	N	N	5
101W0930	N	N	N	10	N	N	N	<10	N	N	N	5
101W0940	10	N	N	<10	N	N	N	<10	N	N	N	20
101W0950	N	N	N	<10	N	N	N	<10	N	N	N	<5
101W0960	N	N	N	<10	N	N	N	<10	N	N	N	<5
101W0970	N	N	N	<10	N	N	N	<10	N	N	N	<5
101W0980	N	N	N	<10	N	N	N	<10	N	N	N	<5
101W0970	N	N	N	<10	N	N	N	<10	N	N	N	<5
101W1000	N	N	N	10	N	N	N	<10	N	N	N	5
101W1010	7	N	N	15	N	N	N	<10	N	N	N	5
101W1020	N	N	N	<10	N	N	N	<10	N	N	N	5
101W1030	7	N	N	10	N	N	N	<10	N	N	N	5
101W1040	N	N	N	<10	N	N	N	<10	N	N	N	5
101W1050	N	N	N	<10	N	N	N	<10	N	N	N	5
101W1060	15	N	N	7	15	N	N	<10	N	N	N	5
101W1070	10	N	N	5	10	N	N	<10	N	N	N	5
101W1080	10	N	N	<5	15	N	N	<10	N	N	N	5
101W1090	<5	N	N	<10	N	N	N	<10	N	N	N	5

Sample	Form	S-FE%	S-RG%	S-CAZ	S-TIZ	S-MN	S-AG	S-B	S-BA	S-BE	S-CO	S-CD	S-CR	S-CU	S-LA	S-MO	S-NI
101W1100	17	.07	5.00	10.00	<.002	50	N	N	N	N	N	N	<10	5	N	5	5
101W1110	17	.15	.5.00	15.00	.002	70	N	N	N	N	N	N	15	15	5	5	<5
101W1120	17	.10	5.00	10.00	<.002	50	N	N	N	N	N	N	<10	5	5	5	<5
101W1130	17	.20	5.00	15.00	.002	50	N	N	N	N	N	N	15	15	7	5	5
101W1140	17.	<.05	3.00	10.00	<.002	10	N	N	N	N	N	N	<10	<5	N	N	<5
101W1150	17	.50	7.00	15.00	<.002	50	N	N	N	N	N	N	10	20	7	10	10
101W1160	17	.20	5.00	15.00	.002	50	N	N	N	N	N	N	10	20	5	5	5
101W1170	17	.15	5.00	15.00	.003	50	N	N	N	N	N	N	10	10	5	5	5
101W1180	17	.15	3.00	10.00	.002	70	N	N	N	N	N	N	10	N	N	5	5
101W1190	17	.15	5.00	15.00	.002	30	N	N	N	N	N	N	10	N	N	<5	<5
101W1200	17	.15	5.00	10.00	<.002	20	N	N	N	N	N	N	<10	10	5	5	5
101W1210	16	.15	5.00	15.00	.002	50	N	N	N	N	N	N	<10	5	5	5	5
101W1220	16	.10	5.00	15.00	<.002	30	N	N	N	N	N	N	<10	5	5	5	5
101W1230	16	.10	2.00	10.00	<.002	30	N	N	N	N	N	N	<10	7	5	5	5
101W1240	16	.20	5.00	10.00	<.002	50	N	N	N	N	N	N	<10	5	5	5	5
101W1250	16	.15	5.00	10.00	<.002	50	N	N	N	N	N	N	<10	7	5	5	5
101W1260	16	.20	5.00	15.00	<.003	70	N	N	N	N	N	N	<10	7	5	5	5
101W1270	16	.10	5.00	7.00	<.002	20	N	N	N	N	N	N	<10	7	5	5	5
101W1280	16	.30	5.00	10.00	<.002	30	N	N	N	N	N	N	<10	10	5	5	5
101W1290	16	.15	5.00	15.00	<.002	50	N	N	N	N	N	N	<10	<5	N	N	N
101W1300	16	.70	5.00	15.00	<.002	70	N	N	N	N	N	N	<10	7	5	5	5
101W1310	16	.50	5.00	10.00	<.002	70	N	N	N	N	N	N	<10	7	5	5	5
101W1320	16	.30	5.00	15.00	<.002	70	N	N	N	N	N	N	<10	10	5	5	5
101W1330	16	1.00	5.00	15.00	<.003	100	N	N	N	N	N	N	<10	10	5	7	7
101W1340	16	.70	5.00	15.00	<.003	100	N	N	N	N	N	N	<10	10	10	7	7
101W1350	15	.20	5.00	15.00	<.030	100	N	N	N	N	N	N	10	70	20	10	10
101W1360	15	1.50	5.00	15.00	<.030	100	N	N	N	N	N	N	10	70	20	15	10
101W1370	15	.70	5.00	15.00	<.020	100	N	N	N	N	N	N	10	70	20	10	5
101W1380	15	1.50	5.00	15.00	<.070	150	N	N	N	N	N	N	20	100	20	15	10
101W1390	15	1.00	5.00	15.00	<.070	150	N	N	N	N	N	N	30	150	20	15	10
101W1400	15	.70	5.00	10.00	<.070	200	N	N	N	N	N	N	30	150	20	10	10
101W1410	15	1.00	5.00	10.00	<.070	200	N	N	N	N	N	N	30	100	1.0	1.0	1.0
101W1420	15	1.00	5.00	10.00	<.070	200	N	N	N	N	N	N	30	70	1.0	1.0	1.0
101W1430	15	.30	5.00	15.00	<.002	70	N	N	N	N	N	N	<10	5	5	5	5
101W1440	15	.50	5.00	15.00	<.020	70	N	N	N	N	N	N	15	30	20	10	10
101W1450	15	.50	5.00	15.00	<.020	100	N	N	N	N	N	N	15	30	20	10	10
101W1460	15	.50	5.00	15.00	<.020	70	N	N	N	N	N	N	20	150	1.0	1.0	1.0
101W1470	15	.70	2.00	15.00	<.030	70	N	N	N	N	N	N	30	100	1.0	1.0	1.0
101W1480	15	1.00	5.00	15.00	<.050	100	N	N	N	N	N	N	20	70	1.0	1.0	1.0
101W1490	15	.70	5.00	15.00	<.050	70	N	N	N	N	N	N	10	70	1.0	1.0	1.0
101W1500	15	1.00	5.00	15.00	<.100	300	N	N	N	N	N	N	30	100	<1.0	1.0	1.0
101W1510	14	1.00	5.00	12.00	<.100	500	N	N	N	N	N	N	50	150	1.0	1.0	1.0
101W1520	14	1.00	5.00	15.00	<.070	500	N	N	N	N	N	N	20	100	<1.0	1.0	1.0
101W1530	14	.70	5.00	15.00	<.100	500	N	N	N	N	N	N	30	150	<1.0	1.0	1.0
101W1540	14	1.00	3.00	10.00	<.200	300	N	N	N	N	N	N	50	300	1.0	1.0	1.0

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
101W1100	<10	N	N	<10	N	N	N	<5
101W1110	10	N	N	<10	N	N	N	5
101W1120	10	N	N	<10	N	N	N	10
101W1130	20	N	N	<10	N	N	N	<5
101W1140	<10	N	N	<10	N	N	N	<5
101W1150	50	N	N	10	N	N	N	5
101W1160	30	N	N	<10	N	N	N	5
101W1170	10	N	N	<10	N	N	N	<5
101W1180	15	N	N	<10	N	N	N	10
101W1190	15	N	N	10	N	N	N	5
101W1200	15	N	N	<10	N	N	N	<5
101W1210	20	N	N	<10	N	N	N	<5
101W1220	<10	N	N	<10	N	N	N	<5
101W1230	<10	N	N	<10	N	N	N	<5
101W1240	10	N	N	<10	N	N	N	<5
101W1250	<10	N	N	<10	N	N	N	<5
101W1260	10	N	N	<10	N	N	N	<5
101W1270	70	N	N	<10	N	N	N	<5
101W1280	15	N	N	<10	N	N	N	<5
101W1290	<10	N	N	<10	N	N	N	<5
101W1300	20	N	N	<10	N	N	N	<5
101W1310	10	N	N	<10	N	N	N	<5
101W1320	50	N	N	<10	N	N	N	<5
101W1330	30	N	N	100	<10	N	N	<5
101W1340	50	N	N	100	<10	N	N	<5
101W1350	50	N	N	100	10	10	N	<5
101W1360	50	N	N	100	10	10	N	>5
101W1370	30	N	N	100	<10	N	N	10
101W1380	50	<5	N	150	15	15	N	20
101W1390	50	<5	N	150	15	20	N	20
101W1400	20	<5	N	150	20	20	N	20
101W1410	70	<5	N	150	20	15	N	20
101W1420	50	N	N	150	15	15	N	20
101W1430	30	N	N	<100	<10	N	N	<5
101W1440	30	N	N	100	<10	N	N	<5
101W1450	10	N	N	<100	<10	N	N	<5
101W1460	<10	N	N	100	<10	N	N	<5
101W1470	10	N	N	100	20	N	N	20
101W1480	12	N	N	100	20	10	N	30
101W1490	10	N	N	100	20	10	N	30
101W1500	20	<5	N	10	10	10	N	30
101W1510	20	<5	N	15	10	12	N	30
101W1520	20	<5	N	10	10	15	N	20
101W1530	20	5	N	15	10	20	N	50
101W1540	30	5	N	15	10	20	N	100

Sample	Form	S-FE%	S-MG%	S-C%	S-T%	S-M%	S-H%	S-B%	S-BA	S-BE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI
101W1550	14	1.00	3.00	10.00	.150	300	N	30	300	1.0	N	5	2.0	5	50	N	10
101W1560	14	1.00	3.00	7.00	.150	300	N	30	300	1.0	N	7	2.0	<5	50	N	10
101W1570	13	1.50	5.00	15.00	.700	700	N	30	150	1.0	N	7	2.0	7	50	N	7
101W1580	13	3.00	3.00	15.00	.050	1'000	50	20	2.0	N	10	15	10	70	N	15	
101W1590	13	1.50	3.00	15.00	.100	1'000	50	100	1.5	N	10	30	15	70	N	15	
101W1600	13	3.00	3.00	15.00	.070	700	N	30	100	1.5	N	15	20	10	70	N	15
101W1610	13	2.00	2.00	10.00	.150	500	N	30	300	2.0	N	10	50	7	50	N	15
101W1620	13	1.50	2.00	10.00	.150	500	N	20	500	1.5	N	5	20	5	70	N	5
101W1630	13	1.50	5.00	15.00	.070	1'000	N	15	150	<1.0	N	<5	<10	<5	50	N	5
101W1640	13	1.00	5.00	15.00	.050	700	N	<10	N	N	N	<10	<5	20	N	<5	<5
101W1650	13	1.00	5.00	15.00	.030	500	N	<10	N	N	N	<10	<5	20	N	<5	<5
101W1660	13	1.00	5.00	15.00	.015	300	N	<10	N	1.0	N	<10	<5	20	N	<5	<5
101W1670	13	2.00	5.00	15.00	.050	1'000	N	30	100	1.5	N	5	30	50	N	<5	<5
101W1680	13	2.00	3.00	10.00	.050	300	N	30	100	2.0	N	5	30	50	N	<5	<5
101W1690	13	5.00	2.00	7.00	.200	200	N	50	300	3.0	N	7	15	<5	50	N	<5
101W1700	13	3.00	2.00	10.00	.100	1'000	N	30	150	1.5	N	5	15	<5	50	N	<5
101W1710	13	2.00	3.00	10.00	.150	700	N	30	300	1.0	N	5	15	<5	50	N	<5
101W1720	13	2.00	5.00	10.00	.100	1'000	N	20	100	<1.0	N	<5	10	<5	50	N	<5
101W1730	13	1.00	3.00	10.00	.100	1'000	N	20	100	1.0	N	5	15	<5	50	N	<5
101W1740	13	1.00	3.00	10.00	.070	1'000	N	30	150	2.0	N	5	15	5	50	N	N
101W1750	12	1.00	2.00	5.00	.030	700	N	20	N	3.0	N	<5	<10	7	30	N	5
101W1760	12	1.50	2.00	5.00	.050	300	N	10	150	N	<5	<10	10	30	N	5	5
101W1770	12	1.00	2.00	5.00	.070	300	N	10	200	<1.0	N	<10	<5	20	N	<5	<5
101W1780	12	1.00	2.00	5.00	.050	50	N	<10	150	N	<10	<10	<5	20	N	N	N
101W1790	12	<.05	.02	.05	.030	<10	N	<10	50	N	N	N	N	<10	<5	20	N
101W1800	12	.20	.10	.10	.070	<10	N	20	150	<1.0	N	<10	<5	20	N	5	5
101W1805	12	.15	.10	.30	.070	<10	N	15	200	<1.0	N	<10	<5	20	N	<5	<5

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-LR	AA-ZN
101W1550	20	5	150	10	20	150	150	<5
101W1560	15	5	150	15	20	200	200	<5
101W1570	15	<5	100	10	20	100	100	<5
101W1580	15	5	150	<10	30	50	50	<5
101W1590	20	5	150	10	50	100	100	<5
101W1600	15	5	100	15	50	100	100	<5
101W1610	20	5	160	30	30	150	150	<5
101W1620	20	<5	100	20	30	300	300	<5
101W1630	20	<5	100	<10	15	70	70	<5
101W1640	15	<5	100	<10	10	30	30	<5
101W1650	15	<5	100	<10	<10	70	70	<5
101W1660	15	5	N	<10	<10	50	50	<5
101W1670	20	5	100	<10	20	70	70	<5
101W1680	15	7	100	<10	20	150	150	<5
101W1690	15	5	100	15	30	200	200	<5
101W1700	10	5	150	10	20	200	200	5
101W1710	15	5	150	15	20	300	300	<5
101W1720	10	<5	100	10	20	100	100	<5
101W1730	15	5	150	10	20	200	200	<5
101W1740	15	5	100	10	20	100	100	<5
101W1750	15	5	100	<10	20	100	100	<5
101W1760	20	<5	<100	<10	15	300	300	<5
101W1770	<10	N	<100	<10	10	200	200	<5
101W1780	<10	N	N	<10	<10	100	100	<5
101W1790	<10	N	N	<10	<10	100	100	<5
101W1800	<10	N	N	10	10	200	200	<5
101W1805	<10	N	N	10	20	150	150	<5

TABLE 8.--Spectrographic analyses of whole-rock samples from drill hole no. 95.

Sample	Form	S-FEx	S-Mg%	S-Ca%	S-Ti%	S-Mn	S-B	S-BrA	S-BrE	S-Co	S-Cr	S-Cu	S-LA	S-Mo	S-Ni	S-Pb	S-Sc
095W0890	17	.20	7	20	<.002	150	N	N	N	10	7	N	N	10	5	10	N
095W0900	17	.10	10	20	.003	70	N	N	N	10	5	<5	<5	<5	<5	<10	N
095W0910	17	.07	7	20	<.002	50	N	N	N	7	5	N	N	5	5	<10	N
095W0920	17	.15	5	20	<.002	50	N	N	N	7	5	N	N	5	5	10	N
095W0930	17	.20	10	20	.015	200	N	N	N	7	5	N	N	5	5	10	N
095W0940	17	.10	7	20	<.003	<10	N	N	N	5	5	N	N	5	5	10	N
095W0950	17	.05	10	20	<.002	<10	N	N	N	10	10	N	N	5	5	<10	N
095W0960	17	.15	10	20	<.002	100	N	N	N	10	10	N	N	5	5	15	N
095W0970	17	.10	7	20	<.002	20	N	N	N	7	5	N	N	5	5	10	N
095W0980	17	.10	5	20	<.002	15	N	N	N	5	5	N	N	5	5	<10	N
095W0990	17	.10	7	20	<.002	30	N	N	N	7	7	N	N	5	5	<10	N
095W1000	17	.10	7	20	<.002	10	N	N	N	5	5	N	N	5	5	<10	N
095W1010	17	.07	5	20	<.002	20	N	N	N	5	5	N	N	5	5	<10	N
095W1020	17	.07	5	20	<.002	<10	N	N	N	5	5	N	N	5	5	<10	N
095W1030	17	.05	5	20	<.002	<10	N	N	N	5	5	N	N	5	5	<10	N
095W1040	17	.05	5	20	<.002	<10	N	N	N	5	5	N	N	5	5	<10	N
095W1050	17	.15	5	20	<.002	70	N	N	N	5	5	N	N	5	5	<10	N
095W1060	17	<.05	3	20	<.002	10	N	N	N	5	5	N	N	5	5	<10	N
095W1070	17	.10	5	20	<.002	10	N	N	N	5	5	N	N	5	5	20	N
095W1080	17	.20	7	15	.005	70	N	N	N	10	7	N	N	5	5	15	N
095W1090	17	.10	5	20	.002	30	N	N	N	10	5	N	N	5	5	15	N
095W1100	17	.15	7	20	.002	<10	N	N	N	10	7	N	N	5	5	15	N
095W1110	17	.05	5	15	<.002	10	N	N	N	10	7	N	N	5	5	10	N
095W1120	17	1.50	10	20	.070	100	N	N	N	20	7	N	N	5	5	20	N
095W1130	17	.20	7	20	.050	70	N	N	N	15	5	N	N	5	5	20	N
095W1140	16	.07	3	20	.002	15	N	N	N	10	5	N	N	5	5	15	N
095W1150	16	.16	5	20	.002	50	N	N	N	10	5	N	N	5	5	<10	N
095W1160	16	.10	7	15	.002	50	N	N	N	10	5	N	N	5	5	<10	N
095W1170	16	.05	5	20	<.002	15	N	N	N	10	5	N	N	5	5	<10	N
095W1180	16	.05	5	20	<.002	50	N	N	N	10	5	N	N	5	5	<10	N
095W1190	16	.20	3	20	<.002	30	N	N	N	10	5	N	N	5	5	50	N
095W1200	16	.20	5	20	.002	70	N	N	N	10	7	N	N	5	5	50	N
095W1210	16	.15	5	20	<.002	70	N	N	N	10	7	N	N	5	5	50	N
095W1220	16	.10	5	15	<.002	50	N	N	N	10	5	N	N	5	5	<10	N
095W1230	16	.50	5	>20	.010	50	N	N	N	10	5	N	N	5	5	50	N
095W1240	16	.30	5	20	.002	70	N	N	N	10	5	N	N	5	5	<10	N
095W1250	15	.20	5	20	.007	70	N	N	N	10	10	N	N	5	5	10	N
095W1260	15	.20	7	20	.010	300	N	N	N	10	10	N	N	5	5	<10	N
095W1270	15	.70	5	20	.030	70	N	N	N	10	5	N	N	5	5	20	N
095W1280	15	.50	7	15	.030	100	N	N	N	10	5	N	N	5	5	15	N
095W1290	15	.10	5	>20	.020	70	N	N	N	10	5	N	N	5	5	20	N
095W1300	15	.50	10	>20	.030	100	N	N	N	10	5	N	N	5	5	20	N
095W1310	15	.20	7	20	<.002	70	N	N	N	10	5	N	N	5	5	15	N
095W1320	15	1.50	10	20	.050	300	N	N	N	10	5	N	N	5	5	30	N
095W1330	15	1.00	10	15	.030	300	N	N	N	10	5	N	N	5	5	20	N

Sample	S-V	S-Y	S-ZR	AA-ZN
S-SR	N	N	N	50
095W0890	15	N	N	10
095W0900	15	N	N	15
095W0910	20	N	N	20
095W0920	20	N	N	15
095W0930	20	N	N	15
095W0940	20	N	N	15
095W0950	20	N	N	15
095W0960	20	N	N	15
095W0970	20	N	N	15
095W0980	20	N	N	10
095W0990	20	N	N	10
095W1000	20	N	N	15
095W1010	20	N	N	15
095W1020	20	N	N	10
095W1030	20	N	N	15
095W1040	20	N	N	10
095W1050	20	N	N	5
095W1060	20	N	N	2
095W1070	20	N	N	15
095W1080	20	N	N	15
095W1090	20	N	N	20
095W1100	20	N	N	15
095W1110	20	N	N	15
095W1120	100	20	N	10
095W1130	20	N	N	10
095W1140	20	N	N	2
095W1150	20	N	N	15
095W1160	20	N	N	10
095W1170	20	N	N	5
095W1180	20	N	N	10
095W1190	20	N	N	15
095W1200	20	N	N	15
095W1210	20	N	N	10
095W1220	20	N	N	10
095W1230	20	N	N	10
095W1240	20	N	N	10
095W1250	20	N	N	10
095W1260	20	N	N	2
095W1270	20	N	N	10
095W1280	20	N	N	5
095W1290	20	N	N	10
095W1300	20	N	N	10
095W1310	20	N	N	5
095W1320	20	N	N	10
095W1330	20	N	N	5

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-B	S-BA	S-EF	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB	S-SC
095w1340	15	•70	7	15	•015	200	<1.0	N	<1.0	10	5	7	N	<5	15	N	
095w1350	13	1.00	10	20	•070	300	<1.0	<5	20	5	7	N	<5	20	N		
095w1360	13	1.00	10	20	•030	700	<20	<1.0	7	15	7	N	5	15	N		
095w1370	13	2.00	10	20	•050	2,000	50	20	1.0	7	20	7	50	7	<10	N	
095w1380	13	1.50	10	15	•030	1,500	30	20	1.0	7	15	50	7	7	20	N	
095w1390	13	2.00	10	20	•050	1,500	50	50	<1.0	10	50	15	50	N	10	20	
095w1400	13	2.00	10	20	•100	1,500	30	200	1.0	7	50	10	50	N	10	20	
095w1410	13	3.00	10	20	•100	1,500	50	300	1.0	10	30	7	30	N	15	20	
095w1420	13	3.00	10	20	•200	1,000	30	300	1.0	5	50	7	50	N	5	30	
095w1430	13	2.00	10	20	•150	1,000	20	700	<1.0	10	30	7	20	N	5	20	
095w1440	13	2.00	10	15	•200	700	50	300	1.5	10	30	7	50	N	5	30	
095w1450	13	1.00	10	>20	•007	300	<1.0	N	1.0	<5	<10	5	30	N	<5	30	
095w1460	13	1.50	10	15	•070	1,500	10	100	1.0	N	15	<5	30	N	<5	20	
095w1470	13	3.00	10	20	•100	1,500	30	200	1.0	15	20	10	20	N	5	30	
095w1480	13	1.20	10	20	•100	1,000	15	300	1.0	<5	20	<5	30	N	<5	20	
095w1490	13	2.00	10	20	•070	1,000	20	150	1.5	7	20	10	30	N	<5	15	
095w1500	13	3.00	10	20	•100	2,000	30	200	1.5	10	20	5	20	N	<5	15	
095w1510	13	•50	10	15	•007	700	<10	<20	<1.0	N	<10	5	7	N	5	15	
095w1520	13	2.00	10	>20	•030	2,000	15	70	<1.0	N	10	5	30	N	<5	20	
095w1530	13	2.00	10	15	•070	1,000	20	50	1.0	N	10	<5	50	N	5	15	
095w1540	13	2.00	10	20	•070	1,500	30	100	1.0	N	15	<5	30	N	<5	10	
095w1550	13	3.00	10	20	•050	2,000	20	100	1.0	5	15	<5	30	N	<5	10	
095w1560	13	1.50	7	15	•030	1,000	20	<20	2.0	10	10	7	20	N	5	<5	

Sample	S-SR	S-V	S-Y	S-ZR	AA-ZN
095w1340	N	20	10	20	10
095w1350	N	20	<10	70	10
095w1360	N	15	<10	10	10
095w1370	N	15	30	50	5
095w1380	N	15	30	70	10
095w1390	N	20	30	70	5
095w1400	100	20	50	70	5
095w1410	100	20	30	150	5
095w1420	100	30	30	300	15
095w1430	100	20	30	300	5
095w1440	100	30	50	200	10
095w1450	N	15	N	N	10
095w1460	100	15	15	70	5
095w1470	<100	20	20	200	2
095w1480	<100	15	20	150	5
095w1490	<100	20	30	200	10
095w1500	100	20	20	200	10
095w1510	N	15	N	30	5
095w1520	100	15	20	50	10
095w1530	N	15	30	300	5
095w1540	N	20	20	150	5
095w1550	N	20	30	150	10
095w1560	N	15	20	300	5

Sample	Form	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO
095w1570	13	2.00	7.00	15.00	.100	1,500	N	N	30	70	3.0	7	10	10	20	N
095w1560	13	1.00	1.00	1.50	.100	200	N	N	50	200	1.0	5	15	10	N	N
095w1590	13	.50	.70	.70	.070	150	N	N	20	150	1.0	N	N	7	N	N
095w1600	12	.50	.15	.20	.100	15	N	N	15	200	1.0	N	N	10	N	N
095w1610	12	.30	.05	.27	.050	<10	N	N	10	100	1.0	N	N	5	N	N
095w1620	12	.20	.10	.35	.100	<10	N	N	20	200	1.5	N	<10	50	N	N
095w1626	12	<.05	.02	.35	.050	<10	N	N	<10	30	<1.0	N	N	<5	N	N

Sample	S-NR	S-NI	S-PB	S-SSB	S-SC	S-SN	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
095w1570	N	7	15	N	5	N	N	20	30	N	100	<5
095w1580	N	7	20	N	<5	N	N	20	50	N	500	<5
095w1590	N	7	<10	N	N	N	N	10	15	N	300	<5
095w1600	N	10	15	N	N	N	N	10	30	N	700	<5
095w1610	N	<5	<10	N	N	N	N	10	<10	N	100	<5
095w1620	N	<5	30	N	N	N	N	20	10	N	200	<5
095w1626	N	10	<10	N	N	N	N	<10	<10	N	500	<5

TABLE 9.--Spectrographic analyses of whole-rock samples from drill hole no. 77.

Sample	Furn	S-F-E%	S-F-G%	S-C-A%	S-T-I%	S-M-N	S-A-G	S-A-S	S-B-D	S-B-A	S-B-E	S-C-O	S-C-U	S-L-A	S-M-O
077W0720	17	1.00	10.00	>20.00	.002	200	N	N	20	N	<10	20	N	50	50
077W0730	17	1.00	10.00	>20.00	.005	200	N	N	<10	N	<5	10	50	N	150
077W0780	17	.10	7.00	>20.00	.002	50	N	N	N	N	N	<10	S	N	15
077W0790	17	.07	5.00	20.00	.002	50	N	N	N	N	N	<10	S	N	15
077W0800	17	.10	3.00	20.00	.002	50	N	N	N	N	N	<10	S	N	15
077W0810	17	.10	7.00	15.00	<.002	50	N	N	N	N	N	<10	S	N	5
077W0820	17	.15	7.00	20.00	<.002	70	N	N	N	N	N	<10	S	N	5
077W0830	17	.07	7.00	20.00	<.002	70	N	N	N	N	N	<10	S	N	7
077W0840	17	.10	5.00	>20.00	<.002	70	N	N	N	N	N	<10	S	N	7
077W0850	17	.10	5.00	20.00	<.002	30	N	N	N	N	N	<10	S	N	5
077W0860	17	.20	5.00	>20.00	.002	150	N	N	N	N	N	<10	7	N	10
077W0870	17	.05	5.00	20.00	<.002	10	N	N	N	N	N	<10	7	N	10
077W0880	17	.05	5.00	20.00	<.002	10	N	N	N	N	N	<10	S	N	10
077W0890	17	.150	5.00	20.00	<.002	30	N	N	N	N	N	<10	S	N	7
077W0900	17	.07	5.00	20.00	<.002	20	N	N	N	N	N	<10	15	N	10
077W0910	15	.15	7.00	20.00	<.002	50	N	N	N	N	N	<10	20	N	10
077W0920	15	.10	7.00	20.00	<.005	30	N	N	N	N	N	<10	15	N	7

Sample	S-N1	S-N2	S-Pu	S-Sc	S-Sn	S-Sr	S-V	S-Y	S-ZR	AA-ZN
077W0720	N	10	20	N	<100	10	N	10	45	
077W0730	N	10	30	N	<100	10	N	20	20	
077W0780	N	<5	10	N	<100	<10	N	15	10	
077W0790	N	<5	<10	N	<100	<10	N	15	5	
077W0800	N	<5	<10	N	<100	<10	N	<10	10	
077W0810	N	<5	10	N	<100	<10	N	<10	50	
077W0820	N	<5	15	N	<100	<10	N	<10	10	
077W0830	N	<5	10	N	<100	<10	N	<10	15	
077W0840	N	<5	10	N	<100	10	N	<10	10	
077W0850	N	<5	15	N	<100	<10	N	<10	15	
077W0860	N	<5	30	N	<100	10	N	100	10	
077W0870	N	<5	10	N	<100	<10	N	<10	10	
077W0880	N	<5	15	N	<100	<10	N	<10	10	
077W0890	N	7	100	N	<100	<10	N	10	15	
077W0900	N	<5	30	N	<100	10	N	10	15	
077W0910	N	<5	20	N	<100	10	N	<10	10	
077W0920	N	<5	15	N	<100	10	N	<10	10	

Sample	Form	S-F%	S-M%	S-C%	S-TI%	S-MN	S-B	S-BA	S-BE	S-CU	S-CR	S-CO	S-LA	S-MO	S-NB	S-NI
077W0930	15	.10	5.00	20.00	.003	50	N	N	N	<10	10	N	7	N	<5	
077W0940	15	.05	5.00	20.00	<.002	20	N	N	N	<10	<5	N	7	N	<5	
077W0950	16	.07	7.00	20.00	<.002	20	N	N	N	<10	7	N	5	N	<5	
077W0960	16	.20	7.00	20.00	.005	50	<10	N	N	20	50	N	7	N	5	
077W0970	16	.05	5.00	20.00	<.002	50	<10	N	N	<10	15	N	7	N	<5	
077W0980	16	.10	7.00	20.00	.007	30	<10	<20	N	N	20	15	N	5	N	<5
077W0990	16	.07	10.00	>20.00	<.002	30	10	N	N	20	5	N	7	N	<5	
077W1000	16	.10	>10.00	>20.00	<.002	30	10	N	N	20	<5	N	7	N	<5	
077W1010	16	.10	7.00	20.00	<.002	50	<10	N	N	20	<5	N	5	N	<5	
077W1020	16	.15	>10.00	20.00	.003	70	10	N	N	15	<5	N	5	N	<5	
077W1030	16	.07	10.00	20.00	.002	50	10	N	N	20	<5	N	7	N	<5	
077W1040	16	.07	10.00	20.00	<.002	50	<10	N	N	20	15	N	5	N	<5	
077W1050	16	.10	10.00	20.00	.002	50	<10	N	N	20	10	N	5	N	<5	
077W1060	16	.10	10.00	20.00	<.002	70	<10	N	N	20	10	N	5	N	<5	
077W1070	16	.10	7.00	20.00	.003	70	10	N	N	20	10	N	5	N	<5	
077W1080	16	.15	7.00	20.00	.003	100	<10	N	N	20	7	N	5	N	<5	
077W1090	16	.07	7.00	20.00	<.002	50	<10	N	N	20	7	N	5	N	<5	
077W1100	16	.15	7.00	20.00	<.002	20	N	N	N	20	7	N	5	N	<5	
077W1110	16	.15	7.00	20.00	<.002	50	<10	N	N	20	5	N	5	N	<5	
077W1120	16	.70	10.00	20.00	.020	150	15	N	N	20	30	N	10	N	7	
077W1130	16	.20	7.00	20.00	.002	50	<10	N	N	20	15	N	5	N	<5	
077W1140	16	.10	7.00	20.00	<.002	50	N	N	N	15	<5	N	5	N	<5	
077W1150	15	.15	5.00	20.00	.002	50	N	N	N	20	7	N	5	N	<5	
077W1160	15	.20	7.00	20.00	.002	70	<10	N	N	20	<5	N	5	N	<5	
077W1170	15	.15	7.00	20.00	.002	100	N	N	N	15	<5	N	7	N	<5	
077W1180	15	.20	7.00	20.00	.002	100	<10	N	N	20	5	N	5	N	<5	
077W1190	15	.15	7.00	20.00	.002	100	<10	N	N	15	<5	N	5	N	<5	
077W1200	15	.15	7.00	20.00	.005	100	<10	N	N	<10	5	N	5	N	<5	
077W1210	15	.15	10.00	20.00	.003	100	<10	N	N	<10	5	N	5	N	<5	
077W1220	15	1.00	>10.00	>20.00	.020	500	10	N	N	<10	5	N	7	N	<5	
077W1230	15	.50	10.00	>20.00	.020	150	10	N	N	20	7	N	5	N	<5	
077W1240	15	.50	10.00	>20.00	.030	200	15	N	N	20	10	N	7	N	<5	
077W1250	15	.70	10.00	>20.00	.020	150	10	N	N	20	7	N	7	N	<5	
077W1260	15	1.50	10.00	>20.00	.050	200	19	N	N	50	5	N	10	N	<5	
077W1270	13	2.00	10.00	>20.00	.100	700	50	N	N	30	10	N	7	N	<5	
077W1280	13	2.00	10.00	20.00	.050	1,000	20	N	N	150	10	N	5	N	<5	
077W1290	13	3.00	10.00	>20.00	.070	3,000	30	N	N	100	1.5	N	10	N	15	
077W1300	13	3.00	10.00	20.00	.150	5,000	50	N	N	100	1.5	N	20	N	15	
077W1310	13	1.50	10.00	20.00	.070	3,000	20	N	N	150	<1.0	N	7	N	10	
077W1320	13	1.50	10.00	>20.00	.070	2,000	20	N	N	150	<1.0	N	7	N	10	
077W1330	13	2.00	5.00	15.00	.200	1,000	30	N	N	200	1.5	N	5	N	15	
077W1340	13	1.50	5.00	15.00	.200	500	20	N	N	50	1.0	N	7	N	10	
077W1350	13	1.50	7.00	20.00	.200	700	20	N	N	300	1.0	N	5	N	7	
077W1360	13	1.50	7.00	20.00	.150	700	15	N	N	300	1.0	N	5	N	7	
077W1370	13	1.50	7.00	20.00	.150	500	15	N	N	300	1.0	N	5	N	7	

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-LR	AA-LN
077w0930	15	N	<100	10	N	N	<10	15
077w0940	10	N	<100	10	N	N	<10	10
077w0950	15	N	<100	10	N	N	<10	10
077w0960	30	N	<100	10	N	N	<10	15
077w0970	20	N	<100	10	N	N	15	10
077w0980	15	N	<100	<10	N	N	15	10
077w0990	10	N	N	<10	N	N	<10	10
077w1000	15	N	N	<10	N	N	<10	10
077w1010	15	N	N	<10	N	N	15	10
077w1020	15	N	N	<10	N	N	20	10
077w1030	15	N	N	<10	N	N	15	5
077w1040	15	N	N	<10	N	N	<10	10
077w1050	20	N	N	<10	N	N	<10	10
077w1060	15	N	N	<10	N	N	<10	5
077w1070	20	N	N	<10	N	N	<10	10
077w1080	20	N	N	<10	N	N	<10	10
077w1090	15	N	N	<10	N	N	<10	10
077w1100	15	N	N	<10	N	N	<10	10
077w1110	15	N	N	<10	N	N	<10	10
077w1120	30	N	N	<10	N	N	<10	20
077w1130	30	N	N	10	N	N	<10	10
077w1140	10	N	N	10	N	N	<10	15
077w1150	15	N	N	10	N	N	<10	10
077w1160	15	N	N	10	N	N	<10	10
077w1170	20	N	N	10	N	N	20	15
077w1180	20	N	N	10	N	N	<10	10
077w1190	20	N	N	10	N	N	<10	15
077w1200	15	N	N	10	N	N	<10	15
077w1210	20	N	N	<10	N	N	<10	10
077w1220	30	N	N	<10	N	N	30	15
077w1230	30	N	150	10	<10	N	20	20
077w1240	20	N	150	10	<10	N	30	10
077w1250	30	<5	100	10	10	N	50	10
077w1260	50	5	150	10	20	N	50	15
077w1270	30	<5	150	20	50	N	100	15
077w1280	15	5	100	20	30	N	100	10
077w1290	15	<5	100	20	30	N	150	25
077w1300	10	<5	100	30	20	N	70	10
077w1310	15	5	100	15	30	N	70	10
077w1320	15	5	100	15	30	N	70	10
077w1330	20	5	100	30	30	N	300	5
077w1340	20	5	100	30	20	N	300	5
077w1350	30	5	100	20	20	N	500	5
077w1360	20	<5	100	20	10	N	300	5
077w1370	30	<5	<100	20	10	N	200	5

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-IN	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
077W1380	13	1.00	10.00	>20.00	.020	300	10	30	1.0	N	N	<5	N	N	N	N
077W1390	13	1.00	10.00	>20.00	.030	300	10	30	<1.0	N	N	<5	N	N	N	N
077W1400	13	1.00	10.00	>20.00	.020	200	<10	30	<1.0	N	N	<5	N	N	N	N
077W1410	13	1.00	10.00	>20.00	.050	300	10	50	<1.0	N	N	<10	N	N	N	N
077W1420	13	.70	10.00	>20.00	.015	200	<10	30	1.0	N	N	<5	N	N	N	N
077W1430	13	1.00	10.00	>20.00	.020	500	10	20	<1.0	N	N	<5	N	N	N	N
077W1440	13	.70	10.00	>20.00	.015	200	15	30	1.5	N	N	<5	N	N	N	N
077W1450	13	1.00	10.00	>20.00	.020	1,000	15	50	1.0	N	N	<10	N	N	N	N
077W1460	13	1.00	10.00	>20.00	.020	1,000	10	50	1.0	N	N	<5	N	N	N	N
077W1470	13	1.50	10.00	>20.00	.020	700	10	50	1.0	N	N	<10	N	N	N	N
077W1480	13	1.50	10.00	>20.00	.020	1,000	15	30	1.0	N	N	<5	N	N	N	N
077W1490	13	1.50	10.00	20.00	.030	1,000	10	70	1.5	N	N	<5	N	N	N	N
077W1500	13	1.50	10.00	20.00	.030	1,000	10	30	1.0	N	N	<5	N	N	N	N
077W1510	13	1.50	10.00	20.00	.015	1,000	<10	30	1.0	N	N	<5	N	N	N	N
077W1520	13	2.00	10.00	20.00	.050	5,000	15	.70	1.5	N	N	<5	N	N	N	N
077W1530	13	2.00	7.00	20.00	.015	1,500	<10	20	1.0	N	N	<5	N	N	N	N
077W1540	12	1.50	1.00	1.50	.100	1,500	10	100	3.0	N	N	<5	N	N	N	N
077W1550	12	1.00	.50	.70	.200	70	<10	200	1.0	N	N	<5	N	N	N	N
077W1560	12	.30	.20	.50	.070	70	N	150	<1.0	N	N	<5	N	N	N	N
077W1570	12	.15	.10	.30	.070	20	N	150	N	N	N	<5	N	N	N	N
077W1580	12	.15	.05	.15	.070	15	N	150	N	N	N	<5	N	N	N	N
077W1590	12	.30	.05	.30	.070	20	N	100	N	N	N	<5	N	N	N	N
077W1600	12	.50	.05	.10	.070	10	N	100	N	N	N	<5	N	N	N	N
077W1610	12	.07	.05	.20	.070	20	N	70	N	N	N	<5	N	N	N	N
077W1620	12	.05	.07	.15	.050	10	N	50	N	N	N	<5	N	N	N	N
077W1630	12	<.05	<.02	<.05	.050	10	N	50	N	N	N	<5	N	N	N	N
077W1640	12	<.05	<.02	<.05	.030	<10	N	50	N	N	N	<5	N	N	N	N
077W1650	12	.07	<.02	<.05	.070	<10	N	50	N	N	N	<5	N	N	N	N
077W1660	12	<.05	<.10	.20	.050	<10	N	70	N	N	N	<5	N	N	N	N
077W1670	12	.05	.10	.15	.100	<10	N	70	N	N	N	<5	N	N	N	N
077W1680	12	.05	.07	.07	.07	<10	N	70	N	N	N	<5	N	N	N	N
077W1690	12	.05	.07	.07	.07	<10	N	70	N	N	N	<5	N	N	N	N
077W1700	12	.07	.05	.05	<.05	<10	N	50	N	N	N	<5	N	N	N	N
077W1710	12	.07	.05	.05	<.05	<10	N	50	N	N	N	<5	N	N	N	N
077W1720	12	.07	.07	.07	.05	<10	N	50	N	N	N	<5	N	N	N	N
077W1730	12	.15	.05	<.05	.100	<10	N	50	N	N	N	<5	N	N	N	N
077W1740	12	.07	.07	.10	.070	<10	N	50	N	N	N	<5	N	N	N	N
077W1750	12	.05	.05	.05	.070	<10	N	50	N	N	N	<5	N	N	N	N
077W1760	12	.05	.05	.05	.070	<10	N	50	N	N	N	<5	N	N	N	N
077W1770	12	.05	.05	.05	.070	<10	N	30	N	N	N	<5	N	N	N	N
077W1780	12	.07	.05	<.05	.100	<10	N	50	N	N	N	<5	N	N	N	N
077W1790	12	<.05	.05	.05	.070	<10	N	50	N	N	N	<5	N	N	N	N
077W1800	12	.15	.03	.05	.100	<10	N	50	N	N	N	<5	N	N	N	N
077W1810	12	.20	.07	<.05	.150	<10	N	30	N	N	N	<5	N	N	N	N
077W1820	12	.30	.07	<.05	.150	<10	N	10	N	N	N	<5	N	N	N	N

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	AA-ZN
077W1380	20	<5	<100	<10	<10	N	30
077W1390	10	<5	<100	<10	<10	N	20
077W1400	15	<5	<100	<10	<10	N	10
077W1410	15	<5	<100	<10	<10	N	10
077W1420	10	<5	<100	<10	15	N	50
077W1470	15	<5	<100	<10	20	N	10
077W1430	10	<5	<100	<10	<10	N	30
077W1440	15	<5	<100	<10	10	N	20
077W1450	15	<5	<100	<10	20	N	10
077W1460	10	<5	<100	<10	20	N	50
077W1470	15	<5	<100	<10	20	N	10
077W1480	10	<5	<100	<10	20	N	50
077W1490	10	<5	<100	<10	20	N	50
077W1500	15	<5	<100	<10	20	N	50
077W1510	20	<5	<100	<10	20	N	30
077W1520	20	5	<100	10	50	N	10
077W1530	30	<5	<100	15	20	N	50
077W1540	40	N	<100	15	30	N	500
077W1550	40	N	<100	15	15	N	>1,000
077W1560	40	N	<100	15	10	N	700
077W1570	40	N	<100	15	10	N	1,000
077W1580	N	N	<100	<10	<10	N	200
077W1590	N	N	<100	10	10	N	500
077W1600	N	N	<100	10	<10	N	200
077W1610	N	N	<100	<10	10	N	500
077W1620	N	N	<100	10	10	N	700
077W1630	N	N	<100	10	<10	N	100
077W1640	N	N	<100	10	<10	N	30
077W1650	N	N	<100	<10	<10	N	500
077W1660	N	N	<100	10	<10	N	300
077W1670	N	N	<100	10	<10	N	700
077W1680	N	N	<100	10	N	N	700
077W1690	N	N	<100	10	10	N	>1,000
077W1700	N	N	<100	10	10	N	1,000
077W1710	N	N	<100	10	10	N	700
077W1720	N	N	<100	10	N	N	500
077W1730	N	N	<100	10	10	N	>1,000
077W1740	N	N	<100	10	10	N	1,000
077W1750	N	N	<100	10	10	N	300
077W1760	N	N	<100	10	N	N	>1,000
077W1770	N	N	<100	10	N	N	1,000
077W1780	N	N	<100	10	N	N	>1,000
077W1790	N	N	<100	10	N	N	1,000
077W1800	N	N	<100	10	N	N	300
077W1810	N	N	<100	10	N	N	>1,000
077W1820	N	N	<100	10	10	N	1,000

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-N	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-NB	S-NI
077W1830	12	.70	.15	<.05	.200	20	10	50	1.5	N	N	<5	N	N	5
077W1840	12	.50	.30	.20	.200	20	10	100	1.0	N	N	<5	N	N	<5
077W1850	12	3.00	2.00	.15	.200	100	70	700	1.5	N	N	<5	30	N	7
077W1860	12	15.00	3.00	.30	>1.000	700	150	1,000	2.0	30	50	30	70	<20	70
077W1870	11	10.00	3.00	.70	1.000	700	200	1,000	1.5	20	30	<5	50	N	15
077W1880	11	15.00	3.00	.70	>1.000	700	150	1,500	1.5	30	70	30	50	N	30
077W1890	11	15.00	3.00	1.00	>1.000	3,000	100	1,500	1.5	30	50	30	<20	30	<20
077W1900	11	15.00	3.00	1.00	>1.000	2,000	100	1,500	1.5	30	50	70	50	N	30

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
077W1830	N	N	100	20	10	N	500	<5
077W1840	N	5	100	15	15	N	500	20
077W1850	N	7	100	100	20	N	500	85
077W1860	20	30	150	150	50	200	>1,000	60
077W1870	<10	15	200	100	20	<200	500	60
077W1880	15	20	200	150	30	<200	700	70
077W1890	15	15	200	150	30	<200	500	100
077W1900	15	30	200	150	30	<200	>1,000	90

TABLE 10.--Spectrographic analyses of whole-rock samples from drill hole no. 86.

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-MO	S-LA	S-NI	S-PB
086W0800	17	.50	10	20.30	.003	100	N	<10	20	N	N	N	N	15	5	10	
086W0310	17	.10	10	>.35	.002	70	N	10	<20	N	N	N	<5	N	10	N	15
086W0820	17	.07	7	20.30	<.002	50	N	10	N	N	N	N	<5	N	7	N	<10
086W0830	17	.20	10	20.30	.002	200	N	10	N	N	N	N	<5	N	10	N	<10
086W0840	17	.20	10	10.30	<.002	100	N	N	N	N	N	N	<5	N	5	N	<10
086W0850	17	.20	10	20.30	<.002	150	N	N	N	N	N	N	<5	N	5	N	<10
086W0860	17	.20	7	15.30	<.002	100	N	<10	N	N	N	N	<5	N	5	N	<10
086W0870	17	.10	10	15.30	.003	100	N	<10	N	N	N	N	<5	N	5	N	<10
086W0880	17	.10	5	7.30	<.002	50	N	<10	N	N	N	N	<5	N	15	N	<10
086W0890	17	.20	7	20.30	<.002	200	N	N	N	N	N	N	<5	N	5	N	<10
086W0900	17	.07	7	10.30	<.002	70	N	N	N	N	N	N	<5	N	5	N	<10
086W0910	17	.15	7	15.30	<.002	150	N	N	N	N	N	N	<5	N	5	N	<10
086W0920	17	.15	7	10.30	<.002	70	N	N	N	N	N	N	<5	N	5	N	<10
086W0930	17	.15	7	15.30	<.002	100	N	<10	N	N	N	N	<5	N	5	N	<10
086W0940	17	.07	7	7.30	<.002	50	N	N	N	N	N	N	<5	N	5	N	<10
086W0950	17	.10	5	7.30	<.002	50	1.5	N	N	N	N	N	<5	N	5	N	<10
086W0960	17	.15	7	7.30	<.002	70	N	N	N	N	N	N	<5	N	5	N	<10
086W0970	17	.15	7	7.30	<.002	50	N	N	N	N	N	N	<5	N	5	N	<10
086W0980	16	.02	5	5.30	<.002	30	N	<10	N	N	N	N	<5	N	10	N	<10
086W0990	16	.10	5	7.30	.002	50	N	15	N	N	N	N	<5	N	5	N	<10
086W1000	16	.15	5	7.30	<.002	70	N	<10	N	N	N	N	7	N	5	20	
086W1010	16	.07	5	5.30	<.002	20	N	<10	N	N	N	N	<5	N	5	10	
086W1020	16	.07	7	7.30	<.002	30	N	N	N	N	N	N	<5	N	5	10	
086W1030	16	.50	10	>20.30	.003	100	N	20	N	N	N	N	20	7	5	10	
086W1040	16	.50	7	20.30	<.002	100	N	N	N	N	N	N	20	7	5	7	
086W1050	16	.15	7	20.30	.005	50	N	N	N	N	N	N	20	5	5	15	
086W1060	16	.20	7	20.30	.002	70	N	N	N	N	N	N	20	5	5	15	
086W1070	16	.20	10	>20.30	<.002	100	N	N	N	N	N	N	<10	<5	N	10	
086W1080	16	.10	7	20.30	<.002	50	N	N	N	N	N	N	<10	<5	N	N	
086W1090	16	.10	7	20.30	<.002	50	N	N	N	N	N	N	<10	<5	N	N	
086W1100	16	.20	>10	>20.30	<.002	100	N	N	N	N	N	N	<10	5	5	15	
086W1110	16	.07	7	20.30	<.002	30	N	N	N	N	N	N	20	5	5	10	
086W1120	16	.07	7	20.30	<.002	30	N	N	N	N	N	N	20	5	5	15	
086W1130	16	.05	7	20.30	<.002	20	N	N	N	N	N	N	<10	5	5	15	
086W1140	16	.05	7	20.30	<.002	10	N	N	N	N	N	N	<10	5	5	15	
086W1150	16	.67	7	20.30	<.002	10	N	N	N	N	N	N	<10	<5	N	20	
086W1160	16	.67	7	20.30	<.002	50	N	N	N	N	N	N	<10	<5	N	15	
086W1170	16	.67	7	20.30	<.002	20	N	N	N	N	N	N	<5	N	5	15	
086W1180	16	.10	7	>20.30	<.002	30	N	N	N	N	N	N	<5	N	5	15	
086W1190	16	.30	10	>20.30	.020	70	N	N	N	N	N	N	<5	N	5	20	
086W1200	16	.20	7	20.30	<.002	50	N	N	N	N	N	N	<10	<5	N	7	
086W1210	16	.20	7	20.30	<.002	30	N	N	N	N	N	N	<10	<5	N	5	
086W1220	16	.20	7	20.30	<.003	30	N	N	N	N	N	N	<10	<5	N	5	
086W1230	15	.20	7	>20.30	.020	100	N	N	N	N	N	N	<10	5	7	20	
086W1240	15	.30	10	>20.30	.050	100	N	N	N	N	N	N	<10	5	7	7	

Sample	S-SR	S-V	S-Y	S-ZR	AA-ZN
S-SC	N	N	N	N	N
086W0800	150	<10	<10	10	10
086W0810	100	<10	<10	10	10
086W0820	<100	<10	<10	10	10
086W0830	100	15	<10	10	15
086W0840	N	10	<10	10	10
086W0850	N	10	<10	<10	15
086W0860	N	10	<10	<10	25
086W0870	N	10	<10	<10	10
086W0880	N	10	<10	<10	10
086W0890	N	10	<10	15	20
086W0900	N	<10	<10	10	10
086W0910	N	10	<10	10	10
086W0920	N	10	<10	10	10
086W0930	N	10	<10	<10	15
086W0940	N	<10	<10	10	10
086W0950	N	N	<10	15	15
086W0960	N	N	<10	<10	5
086W0970	N	N	<10	<10	5
086W0980	N	N	<10	<10	10
086W0990	N	N	<10	10	10
086W1000	N	N	<10	10	25
086W1010	N	N	<10	10	10
086W1020	N	N	<10	15	10
086W1030	N	N	<10	10	25
086W1040	N	N	<10	N	25
086W1050	N	<100	<10	N	N
086W1060	N	<100	<10	N	N
086W1070	N	<100	<10	N	N
086W1080	N	<100	<10	N	N
086W1090	N	<100	<10	N	N
086W1100	N	<100	<10	N	N
086W1110	N	<100	<10	N	N
086W1120	N	<100	<10	N	N
086W1130	N	<100	<10	N	N
086W1140	N	<100	<10	N	N
086W1150	N	<100	<10	N	N
086W1160	N	<100	<10	N	N
086W1170	N	<100	<10	N	N
086W1180	N	<100	<10	N	N
086W1190	N	<100	<10	N	N
086W1200	N	<100	<10	N	N
036W1210	N	<100	<10	N	N
036W1220	N	<100	<10	N	N
036W1230	N	<100	<10	N	N
086W1240	N	<100	<10	N	N

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI	S-PB
086W1245	15	.30	10	20.00	.005	100	N	<20	N	<5	N	10	N	7	7	20	
086W1260	15	.30	10	>20.00	.010	150	N	30	N	<10	7	N	5	5	15		
086W1270	15	.30	10	>20.00	.005	100	N	<10	<20	N	<10	<5	N	5	<5	15	
086W1280	15	.30	7	>20.00	.010	100	N	<10	20	N	<10	15	N	5	<5	15	
086W1290	15	.50	7	>20.00	.050	100	N	10	100	N	20	15	20	10	7	20	
086W1300	15	1.00	10	>20.00	.070	150	N	10	100	<1.0	<5	30	<5	7	50	50	
086W1310	14	1.00	10	>20.00	.150	200	N	50	200	1.0	5	70	20	30	N	10	
086W1320	14	2.00	7	>20.00	.200	500	N	70	200	<1.0	7	100	20	50	N	10	
086W1330	14	2.00	5	>20.00	.150	700	N	100	150	1.0	7	70	20	30	N	10	
086W1340	14	3.00	5	>20.00	.300	500	N	100	300	1.5	10	100	20	30	N	10	
086W1350	14	5.00	5	20.00	.300	500	N	150	200	1.5	15	100	20	30	N	50	
086W1360	14	2.00	5	20.00	.100	300	N	100	150	1.0	7	70	15	50	N	20	
086W1370	14	3.00	5	15.00	.200	500	N	100	150	1.0	10	100	20	30	N	15	
086W1380	14	2.00	3	20.00	.200	500	N	70	150	<1.0	5	70	20	50	N	20	
086W1390	14	2.00	3	20.00	.150	700	N	100	150	<1.0	7	100	20	30	N	10	
086W1400	14	1.50	3	20.00	.150	500	N	70	100	1.0	5	70	<5	30	N	20	
036W1410	14	2.00	3	>20.00	.200	700	N	100	200	1.0	7	70	5	50	N	15	
086W1420	14	2.00	3	>20.00	.300	700	N	100	200	1.0	10	100	30	50	N	50	

Sample	S-SC	S-SR	S-V	S-Y	S-ZR	AA-ZN
086W1245	N	<100	<10	N	10	15
086W1260	N	<100	<10	N	20	10
086W1270	N	<100	<10	N	<10	10
086W1280	N	<100	<10	N	10	15
086W1290	N	<100	<10	<10	20	10
086W1300	5	<100	15	<10	30	35
086W1310	7	<100	20	10	50	10
086W1320	10	<100	50	15	70	20
086W1330	7	200	20	15	20	25
086W1340	15	100	70	10	70	35
086W1350	15	150	70	15	70	30
086W1360	10	150	50	10	50	25
035W1370	10	300	70	10	50	20
086W1380	15	300	50	10	70	20
086W1390	10	300	50	15	30	20
086W1400	10	300	20	15	50	20
086W1410	15	500	50	20	20	25
086W1420	15	300	50	10	50	25

Sample	Form	S-FE%	S-IG%	S-CA%	S-TI%	S-MN	S-AG	S-BE	S-HA	S-B	S-AS	S-CO	S-CD	S-CU	S-CR	S-SL
886W1430	14	1.50	3.00	>20.00	200	1,000	N	100	150	1.0	7	70	70	10	30	30
886W1440	13	3.00	3.00	>20.00	200	1,500	N	70	500	1.5	5	70	50	5	50	50
886W1450	13	5.00	3.00	20.00	100	5,000	N	50	100	1.0	5	50	50	<5	50	50
886W1460	13	5.00	3.00	20.00	100	5,000	N	50	100	1.0	5	50	50	5	70	70
886W1470	13	3.00	3.00	>20.00	150	>5,000	N	50	100	1.0	5	30	30	7	50	50
886W1480	13	2.00	2.00	20.00	200	5,000	N	50	300	1.0	7	50	10	20	20	20
886W1490	13	2.00	2.00	3.00	200	300	N	20	300	1.0	10	50	50	10	50	50
886W1500	13	2.00	3.00	1.500	300	1,500	N	30	700	1.0	10	50	50	10	50	50
886W1510	13	1.50	3.00	20.00	300	1,000	N	700	<1.0	N	<5	20	20	<5	20	20
886W1520	13	1.00	2.00	20.00	300	700	N	700	<1.0	N	<5	20	20	5	20	20
886W1530	13	1.50	2.00	15.00	500	300	N	N	700	<1.0	N	20	<5	30	30	30
886W1540	13	2.00	5.00	>20.00	700	700	N	<10	100	<1.0	N	<10	<5	20	20	20
886W1550	13	1.00	5.00	>20.00	500	200	N	N	30	N	<10	<10	<5	20	20	20
886W1560	13	1.00	5.00	>20.00	200	200	N	N	20	N	<10	<10	<5	20	20	20
886W1570	13	.70	5.00	>20.00	200	100	N	N	<20	N	N	N	N	<5	20	20
886W1580	13	.50	5.00	>20.00	100	70	N	N	<20	N	N	N	N	<5	20	20
886W1590	13	.50	7.00	>20.00	200	100	N	N	<20	N	N	N	N	<5	20	20
886W1600	13	.50	5.00	>20.00	200	100	N	N	20	N	N	N	N	<5	20	20
886W1610	13	.70	5.00	>20.00	200	100	N	N	<20	N	N	N	N	<5	20	20
886W1620	13	.70	5.00	>20.00	200	100	N	N	<20	N	N	N	N	<5	20	20
886W1630	13	1.00	5.00	>20.00	300	200	N	N	N	20	N	N	N	<5	20	20
886W1640	13	1.50	7.00	>20.00	300	500	N	N	10	30	N	N	N	<5	20	20
886W1650	13	1.00	7.00	>20.00	200	300	N	N	<10	20	N	N	N	<5	20	20
886W1660	13	1.50	10.00	>20.00	500	500	N	N	<10	50	N	N	N	<5	20	20
886W1670	13	2.00	10.00	>20.00	200	700	N	N	10	50	N	N	N	<5	20	20
886W1680	13	1.50	5.00	15.00	100	700	N	N	20	100	N	N	N	<5	50	50
886W1690	13	2.00	5.00	20.00	100	1,000	N	N	10	100	N	N	N	<5	50	50
886W1700	13	2.00	7.00	20.00	100	1,500	N	N	<10	100	N	N	N	<5	30	30
886W1710	13	2.00	5.00	15.00	700	1,500	N	N	10	70	N	N	N	<5	30	30
886W1720	13	1.00	2.00	2.00	150	1,500	N	N	<10	100	N	N	N	<5	30	30
886W1730	13	1.0	.50	.50	70	100	N	N	N	50	N	N	N	<5	30	30
886W1740	12	.05	.07	.15	.07	20	N	N	N	70	N	N	N	<5	30	30
886W1750	12	.20	.07	.19	.07	10	N	N	N	100	N	N	N	<5	30	30
886W1760	12	.20	.10	.20	.10	50	N	N	N	150	N	N	N	<5	30	30
886W1776	12	.15	.05	.10	.07	10	N	N	N	100	N	N	N	<5	30	30

Sample	S-M0	S-NB	S-N1	S-PB	S-SC	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-ZN
086w1430	N	N	20	20	10	500	30	N	10	N	50	20
086w1440	N	N	15	15	10	200	20	N	20	N	200	10
086w1450	N	N	10	10	7	200	15	N	20	N	100	10
086w1460	N	N	15	15	7	300	20	N	50	N	70	20
086w1470	N	N	10	15	7	300	20	N	20	N	200	10
086w1480	N	N	20	15	10	200	30	N	20	N	100	15
086w1490	N	N	20	15	5	150	30	N	20	N	150	10
086w1500	N	N	20	30	7	200	50	N	30	N	200	10
086w1510	N	N	7	20	5	150	20	N	20	N	200	5
086w1520	N	N	10	15	7	100	20	N	20	N	200	5
086w1530	N	N	10	15	7	150	30	N	30	N	500	5
086w1540	N	N	7	20	5	200	15	N	15	N	70	10
086w1550	N	N	10	10	<5	700	10	N	10	N	50	5
086w1560	N	N	N	N	N	500	10	N	10	N	20	10
086w1570	N	N	N	N	N	500	10	N	10	N	20	5
086w1580	N	N	N	N	N	300	10	N	10	N	10	10
086w1590	N	N	N	N	N	500	10	N	10	N	30	5
086w1600	N	N	N	N	N	300	10	N	10	N	50	10
086w1610	N	N	N	N	N	300	10	N	10	N	15	10
086w1620	N	N	N	N	N	300	10	N	10	N	20	10
086w1630	<5	N	N	N	N	300	10	N	20	N	50	10
086w1640	N	N	20	5	200	10	N	30	N	50	10	
086w1650	N	N	20	<5	150	10	N	15	N	30	35	
086w1660	N	N	20	<5	100	10	N	20	N	200	10	
086w1670	N	N	<5	15	5	100	<10	N	20	N	100	10
086w1680	N	N	N	7	15	10	100	30	N	30	300	10
086w1690	N	N	N	5	20	7	100	20	N	20	100	5
086w1700	N	N	N	<5	20	5	<100	15	N	20	150	5
086w1710	N	N	N	5	20	5	<100	15	N	20	200	5
086w1720	N	N	N	5	15	<5	<100	20	N	20	700	5
086w1730	N	N	N	5	<10	N	<100	10	N	N	>1,000	10
086w1740	N	N	N	5	<10	N	<100	10	N	10	1,000	<5
086w1750	N	N	N	5	<10	N	<100	10	N	N	300	<5
086w1760	N	N	N	5	<10	N	<100	10	N	15	>1,000	<5
086w1766	N	N	N	5	<10	N	<100	10	N	15	1,000	<5

TABLE 11.--Spectrographic analyses of whole-rock samples from drill hole no. 102.

Sample	Form	S-F-E%	S-H-E%	S-C-A%	S-T-I%	S-M-N	S-E	S-B-A	S-E	S-C-O	S-C-R	S-C-U	S-L-A	S-M-O	S-N-B	S-N-I
102W0810	16	.10	5.0	15.0	<.002	50	N	N	N	N	10	15	N	N	N	N
102W0820	16	.05	5.0	15.0	<.002	20	N	N	N	N	<10	15	N	N	N	N
102W0830	16	.05	3.0	15.0	<.002	20	N	N	N	N	<10	10	N	N	N	N
102W0840	16	.10	7.0	15.0	<.002	30	N	N	N	N	<10	10	N	N	N	N
102W0850	16	.07	5.0	15.0	<.002	30	N	N	N	N	15	10	N	N	N	N
102W0860	16	.10	5.0	20.0	<.003	50	N	N	N	N	10	7	N	N	N	N
102W0870	16	<.05	7.0	15.0	<.002	30	N	N	N	N	10	7	N	N	N	N
102W0880	16	<.05	7.0	20.0	<.002	50	N	N	N	N	<10	5	N	N	N	N
102W0890	15	<.10	5.0	20.0	<.002	50	N	N	N	N	10	7	N	N	N	N
102W0900	15	.07	3.0	15.0	<.002	30	N	N	N	N	10	7	N	N	N	N
102W0910	15	.30	3.0	15.0	<.002	50	N	N	N	N	10	<5	N	N	N	N
102W0920	15	.15	3.0	10.0	<.002	30	N	N	N	N	15	<5	N	N	N	N
102W0930	15	.20	5.0	20.0	<.010	70	N	N	N	N	15	<5	N	N	N	N
102W0940	15	.10	7.0	20.0	<.070	100	N	N	N	N	20	10	N	N	N	N
102W0950	15	1.50	1.50	20.0	<.070	100	N	N	N	N	30	5	N	N	N	N
102W0960	15	2.00	5.0	15.0	<.010	100	N	N	N	N	70	20	N	N	N	N
102W0970	15	.50	3.0	15.0	<.007	70	N	N	N	N	15	7	N	N	N	N
102W0980	15	.50	5.0	20.0	<.050	100	N	N	N	N	10	5	N	N	N	N
102W0990	15	1.50	5.0	20.0	<.100	100	N	N	N	N	20	7	N	N	N	N
102W1000	15	1.00	5.0	15.0	<.100	100	N	N	N	N	50	10	N	N	N	N
102W1010	14	1.50	5.0	20.0	<.070	200	N	N	N	N	70	30	N	N	N	N
102W1020	14	2.00	3.0	15.0	<.300	300	N	N	N	N	15	100	N	N	N	N
102W1030	14	2.00	3.0	10.0	<.300	300	N	N	N	N	15	100	N	N	N	N
102W1040	14	1.00	2.0	20.0	<100	500	N	N	N	N	10	70	N	N	N	N
102W1050	14	1.00	2.0	15.0	<.150	300	N	N	N	N	100	10	N	N	N	N
102W1060	14	1.50	1.5	10.0	<.200	200	N	N	N	N	15	150	N	N	N	N
102W1070	14	1.50	1.5	7.0	<.200	200	N	N	N	N	20	150	N	N	N	N
102W1080	14	1.50	1.5	3.0	<.300	200	N	N	N	N	15	150	N	N	N	N
102W1090	14	1.50	1.5	5.0	<.300	300	N	N	N	N	20	100	N	N	N	N
102W1100	14	2.00	1.5	15.0	<.150	500	N	N	N	N	20	150	N	N	N	N
102W1110	14	1.00	1.5	15.0	<.200	500	N	N	N	N	15	100	N	N	N	N
102W1120	14	1.00	1.5	20.0	<.200	500	N	N	N	N	20	100	N	N	N	N
102W1130	14	2.00	1.5	15.0	<.200	500	N	N	N	N	20	100	N	N	N	N
102W1140	14	1.50	1.5	15.0	<.150	500	N	N	N	N	15	150	N	N	N	N
102W1150	13	1.50	1.5	10.0	<.150	500	N	N	N	N	20	100	N	N	N	N
102W1160	13	1.50	1.5	10.0	<.150	500	N	N	N	N	20	70	N	N	N	N
102W1170	13	1.50	1.5	3.0	<.300	200	N	N	N	N	20	150	N	N	N	N
102W1180	13	1.00	2.0	20.0	<100	500	N	N	N	N	15	150	N	N	N	N
102W1190	13	.70	1.5	15.0	<.150	300	N	N	N	N	10	50	N	N	N	N
102W1200	13	.70	2.0	10.0	<.100	300	N	N	N	N	20	10	N	N	N	N
102W1210	13	1.00	3.0	15.0	<.100	500	N	N	N	N	20	<5	N	N	N	N
102W1220	13	.70	2.0	15.0	<.100	300	N	N	N	N	15	<5	N	N	N	N
102W1230	13	.70	1.5	15.0	<.100	300	N	N	N	N	10	30	N	N	N	N
102W1240	13	.70	1.5	15.0	<.150	300	N	N	N	N	15	10	N	N	N	N
102W1250	13	.70	1.5	15.0	<.200	200	N	N	N	N	20	<5	N	N	N	N

Sample	S-PB	S-SC	S-SSN	S-SR	S-V	S-Y	S-ZR	AA-ZN
102W0810	N	N	N	N	<10	N	N	15
102W0820	N	N	N	N	<10	N	N	10
102W0830	N	N	N	N	<10	N	N	10
102W0840	N	N	N	N	<10	N	N	10
102W0850	N	N	N	N	<10	N	N	15
102WC860	N	N	N	N	<10	N	N	10
102W0870	N	N	N	N	<10	N	N	10
102W0880	H	N	N	N	<10	N	N	15
102W0890	N	N	N	N	<10	N	N	15
102W0900	N	N	N	N	<10	N	N	15
102W0910	N	N	N	N	<10	N	N	10
102W0920	N	N	N	N	<10	N	N	15
102W0930	N	N	N	N	<10	N	N	15
102W0940	20	<5	N	100	<10	N	30	25
102W0950	10	<5	N	100	<10	N	20	20
102W0960	10	5	N	N	15	10	70	5
102WC970	<10	N	N	N	<10	N	N	20
102W0980	<10	N	N	N	<10	N	<10	5
102W0990	<10	N	N	N	<100	10	10	10
102W1000	<10	<5	N	N	<100	10	70	10
102W1010	<10	<5	N	N	<10	10	50	5
102W1020	20	7	N	N	150	20	150	15
102W1030	10	10	N	N	150	30	150	30
102W1040	<10	7	N	N	200	20	150	25
102W1050	<10	7	N	N	200	20	150	25
102W1050	10	10	N	N	200	30	150	30
102W1070	10	15	N	N	200	30	100	45
102W1080	10	10	N	N	200	50	150	45
102W1090	15	10	N	N	200	50	200	35
102W1100	15	10	N	N	200	30	200	25
102W1110	15	10	N	N	200	50	150	30
102W1120	10	10	N	N	200	20	100	25
102W1130	10	7	N	N	200	30	100	35
102W1140	15	10	N	N	200	30	100	40
102W1150	15	10	N	N	200	30	100	35
102W1160	15	10	N	N	200	20	150	25
102W1170	10	15	N	N	150	50	150	40
102W1180	15	5	N	N	200	15	200	15
102W1190	15	7	N	N	150	15	100	15
102W1200	10	<5	N	N	100	15	150	10
102W1210	15	<5	N	N	150	15	200	10
102W1220	15	5	N	N	150	15	200	5
102W1230	20	<5	N	N	150	15	200	5
102W1240	20	5	N	N	150	20	300	5
102W1250	20	7	N	N	150	20	300	5

Sample	Form	S-FEZ	S-NGZ	S-CAZ	S-TIZ	S-MN	S-B	S-YA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI
102W1260	13	1.50	5.0	10.0	.150	500	30	1,500	2.0	7	20	<5	50	N	10	
102W1270	13	.70	.30	20.0	.150	500	30	700	1.0	5	20	<5	30	N	5	
102W1280	13	.70	2.0	20.0	.100	300	30	500	1.0	<5	15	<5	50	N	5	
102W1290	13	.70	1.5	20.0	.150	200	20	700	1.0	<5	20	5	50	N	7	
102W1300	13	.50	1.5	20.0	.070	300	20	500	<1.0	15	<5	20	N	N	<5	
102W1310	13	.50	1.0	20.0	.100	200	20	500	1.0	<5	15	<5	30	N	7	
102W1320	13	.70	1.0	20.0	.100	300	30	1,000	1.0	5	20	<5	50	N	7	
102W1330	13	1.00	1.5	15.0	.150	300	30	700	1.0	5	30	10	50	N	7	
102W1340	13	1.00	1.5	20.0	.100	300	30	700	1.0	5	20	<5	50	N	7	
102W1350	13	1.00	1.5	15.0	.100	300	20	700	1.0	5	15	<5	50	N	7	
102W1360	13	1.00	7.0	15.0	.070	500	20	700	<1.0	7	15	<5	30	N	7	
102W1370	13	1.50	10.0	15.0	.020	700	15	500	<1.0	7	10	<5	50	N	5	
102W1380	13	.70	5.0	10.0	.002	300	<10	<20	1.0	N	<10	7	30	N	N	
102W1385	13	1.50	10.0	15.0	.020	1,500	15	200	1.5	15	10	30	50	N	10	
102W1390	11	5.00	1.5	1.0	.200	1,150	100	2,000	3.0	20	<10	<5	300	N	7	
102W1400	11	5.00	.7	.5	.200	200	10	1,500	2.0	10	<10	7	100	N	<20	
102W1410	11	5.00	.7	.3	.200	100	15	1,500	2.0	10	<10	7	70	N	5	

Sample	S-PB	S-SC	S-NN	S-SR	S-V	S-Y	S-ZR	AA-ZN
102W1260	20	5	N	100	20	20	150	10
102W1270	10	5	N	200	10	20	150	10
102W1260	<10	5	N	200	10	15	100	5
102W1290	<10	7	N	200	10	20	100	10
102W1300	<10	<5	N	300	<10	15	50	10
102W1310	<10	5	N	300	10	20	100	10
102W1320	10	7	N	300	10	20	150	5
102W1330	10	7	N	200	15	15	150	10
102W1340	20	7	N	300	15	20	150	10
102W1350	<10	7	N	300	15	15	100	5
102W1360	<10	5	N	150	10	20	70	10
102W1370	N	<5	N	100	<10	20	20	<5
102W1380	N	N	N	N	<10	<10	<10	<5
102W1385	15	N	N	100	<10	20	20	<5
102W1390	<10	50	15	150	50	100	300	40
102W1400	20	15	N	150	30	50	300	25
102W1410	15	15	N	150	30	>20	200	20

TABLE 12.--Spectrographic analyses of whole-rock samples from drill hole no. 85.

Sample	FORM	S-FE%	S-MG%	S-CAZ	S-Ti%	S-MN	S-AG	S-B	S-BA	S-E	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI
085w0890	17	.15	7.00	20.00	.002	200	N	N	30	N	N	<10	<2	N		
085w0900	17	.50	10.00	>20.00	.005	200	N	N	20	N	N	<10	7	N		
085w0910	17	.15	10.00	>20.00	.002	150	N	N	<20	N	N	<5	<10	5		

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-LN
085W0890	30	N	7	15	N	150	<10	10
085W0900	50	N	7	20	N	100	<10	10
085W0910	150	N	7	15	N	100	20	<10

Sample	Form	S-F-E%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-B	S-CU	S-CR	S-CO	S-BE	S-BA	S-CR	S-LA	S-MO	S-NI
085W0920	17	.20	7.00	20.00	.010	100	N	<20	N	5	<10	10	N	200	10		
085W0930	17	.20	7.00	20.00	.005	100	N	20	N	5	<10	7	N	100	7		
085W0940	17	.30	7.00	20.00	.010	150	N	N	N	5	<10	10	N	100	7		
085W0950	17	.15	10.00	>20.00	.002	100	N	N	N	5	<10	7	N	70	5		
085W0960	17	1.00	16.00	>20.00	.002	150	N	N	N	5	<10	15	N	200	10		
085W0970	17	.30	10.00	>20.00	<.002	100	N	N	N	5	<10	10	N	100	5		
085W0980	17	1.00	7.00	>20.00	.015	70	7.0	N	N	50	<10	50	N	1,000	70		
085W0990	17	1.00	7.00	>20.00	.002	200	N	N	N	15	<10	15	N	300	20		
085W1030	17	2.00	7.00	>20.00	<.002	100	N	N	N	15	<10	50	N	200	20		
085W1040	16	1.50	7.00	20.00	.002	150	N	N	N	5	<10	15	N	200	15		
085W1050	16	.20	7.00	20.00	<.002	100	N	N	N	5	<10	15	N	200	5		
085W1060	16	.70	7.00	>20.00	<.002	150	N	N	N	5	<10	15	N	100	10		
085W1070	16	.20	7.00	>20.00	.002	100	N	N	N	5	<10	30	N	100	10		
085W1080	16	.50	7.00	20.00	.002	150	N	N	N	5	<10	20	N	500	10		
085W1090	16	.30	3.00	10.00	.007	150	N	N	N	5	<10	15	N	200	10		
085W1100	16	.15	7.00	>20.00	.005	100	N	N	N	5	<10	20	N	200	5		
085W1110	16	.30	7.00	>20.00	.002	100	N	N	N	5	<10	7	N	200	5		
085W1120	16	.20	10.00	>20.00	.005	100	N	N	N	5	<10	10	N	100	5		
085W1130	16	1.00	7.00	>20.00	.007	200	N	N	N	5	<10	70	N	70	N		
085W1140	16	*.20	10.00	>20.00	.005	100	N	N	N	5	<10	5	N	50	<5		
085W1150	16	.15	10.00	>20.00	.003	100	N	N	N	5	<10	20	N	20	<5		
085W1160	16	.15	10.00	>20.00	<.002	70	N	N	N	5	<10	7	N	15	N		
085W1170	16	.20	10.00	>20.00	.002	150	N	N	N	5	<10	5	N	5	N		
085W1180	16	.10	10.00	>20.00	<.002	100	N	N	N	5	<10	5	N	5	N		
085W1190	16	.07	7.00	>20.00	<.002	100	N	N	N	5	<10	5	N	5	N		
085W1200	16	.15	10.00	>20.00	*.005	100	N	N	N	5	<10	5	N	7	N		
085W1210	16	.20	7.00	>20.00	<.002	100	N	N	N	5	<10	5	N	10	N		
085W1220	16	.15	7.00	>20.00	<.002	70	N	N	N	5	<10	5	N	5	N		
085W1230	16	.20	10.00	>20.00	<.002	300	N	N	N	5	<10	5	N	10	N		
085W1240	16	.30	7.00	>20.00	.020	70	N	N	N	5	<10	5	N	15	N		
085W1250	16	.20	10.00	20.00	.020	70	N	N	N	5	<10	5	N	15	N		
085W1260	16	.30	7.00	20.00	*.007	70	N	N	N	5	<10	5	N	20	N		
085W1270	16	.10	7.00	>20.00	.002	70	N	N	N	5	<10	7	N	5	N		
085W1280	16	.20	10.00	>20.00	.005	70	N	N	N	5	<10	5	N	10	N		
085W1290	16	.10	7.00	20.00	<.002	20	N	N	N	5	<10	5	N	5	N		
035W1300	16	.15	7.00	20.00	.005	50	N	N	N	5	<10	5	N	20	N		
035W1310	16	.30	10.00	>20.00	*.015	70	N	N	N	5	<10	5	N	20	N		
085W1320	16	.20	7.00	>20.00	*.005	50	N	N	N	5	<10	5	N	10	N		
085W1330	16	.30	7.00	>20.00	*.015	70	N	N	N	5	<10	5	N	30	N		
085W1340	16	.15	7.00	>20.00	*.002	50	N	N	N	5	<10	5	N	10	N		
085W1350	16	.20	10.00	>20.00	*.015	50	N	N	N	5	<10	5	N	30	<5		
085W1360	16	.15	7.00	20.00	*.005	30	N	N	N	5	<10	5	N	10	N		

Sample	S-P-B	S-S-C	S-S-R	S-V	S-Y	S-Z-N	S-Z-R	AA-L-N
085W0920	20	N	100	20	N	10	10	5
085W0930	20	N	100	10	N	10	10	10
085W0940	20	N	100	20	N	10	5	5
085W0950	15	N	<100	<10	N	<10	20	20
085W0960	50	N	<100	15	N	10	40	40
085W0970	30	N	<100	<10	N	<10	25	25
085W0980	700	N	<100	10	200	<10	75	75
085W0990	70	N	100	20	N	<10	30	30
085W1000	100	N	100	<10	N	<10	30	30
085W1010	20	N	100	<10	N	<10	15	15
085W1020	20	N	<100	<10	N	<10	10	10
085W1030	20	N	<100	<10	N	<10	15	15
085W1040	70	N	<100	10	N	<10	25	25
085W1050	20	N	<100	10	N	15	10	10
085W1060	30	N	<100	10	N	<10	25	25
085W1070	50	N	<100	15	N	<10	15	15
085W1080	50	N	<100	10	N	<10	15	15
085W1090	20	N	<100	<10	N	15	10	10
085W1100	15	N	<100	<10	N	10	10	10
085W1110	20	N	<100	<10	N	10	10	10
085W1120	15	N	<100	10	N	10	10	10
085W1130	15	N	<100	10	N	15	10	10
085W1140	15	N	<100	10	N	10	10	10
085W1150	10	N	<100	10	N	<10	20	20
085W1160	10	N	<100	10	N	<10	10	10
085W1170	<10	N	<100	10	N	15	10	10
085W1180	<10	N	<100	10	N	20	10	10
085W1190	<10	N	<100	10	N	15	20	20
085W1200	10	N	<100	10	N	15	10	10
085W1210	10	N	<100	10	N	20	15	15
085W1220	10	N	<100	10	N	15	15	15
085W1230	10	N	<100	10	N	15	30	30
085W1240	10	N	<100	10	N	20	10	10
085W1250	15	N	<100	10	N	20	15	15
085W1260	15	N	<100	10	N	10	15	15
085W1270	10	N	<100	10	N	<10	20	20
085W1280	20	N	<100	10	N	20	15	15
085W1290	15	N	<100	10	N	20	15	15
085W1300	20	N	<100	10	N	20	15	15
085W1310	15	N	<100	15	N	15	15	15
085W1320	20	N	<100	10	N	10	10	10
085W1330	20	N	<100	10	N	20	10	10
085W1340	20	N	<100	10	N	10	20	20
085W1350	10	N	<100	<10	N	10	10	10
085W1360	15	N	<100	<10	N	10	10	10

Sample	Form	S-FEZ	S-MEZ	S-CAZ	S-TIZ	S-MN	S-AG	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI
085W1370	16	.15	10.00	>20.00	*010	50	N	<20	N	N	30	<5	N	5	<5	
085W1380	16	.30	10.00	>20.00	*030	70	N	<10	N	<20	N	<5	N	10	5	
085W1390	16	.20	10.00	>20.00	*010	50	N	<20	N	<20	N	<5	N	10	<5	
085W1400	16	.10	7.00	>20.00	*002	50	N	N	N	<10	N	<5	N	20	<5	
085W1410	16	.15	7.00	>20.00	*002	100	N	N	N	<10	N	<5	N	30	<5	
085W1420	16	.20	7.00	>20.00	<.002	50	N	N	N	<10	N	<5	N	15	<5	
085W1430	16	.15	7.00	>20.00	<.002	30	N	N	N	<10	N	<5	N	7	<5	
085W1440	16	.20	7.00	>20.00	<.002	50	N	N	N	<10	N	<5	N	10	<5	
085W1450	16	.07	5.00	>20.00	<.002	20	N	N	N	<10	N	<5	N	<5	<5	
085W1460	16	.05	7.00	<.002	30	N	N	N	N	<10	N	<5	N	<5	<5	
085W1470	16	.15	7.00	20.00	*002	70	N	<10	N	<10	N	<5	N	10	<5	
085W1480	16	.10	7.00	>20.00	<.002	70	N	<10	N	<10	N	<5	N	7	<5	
085W1490	16	.30	7.00	>20.00	*005	200	N	<10	N	<10	N	<5	N	20	5	
085W1500	16	.15	7.00	>20.00	*005	50	N	<10	N	<10	N	<5	N	10	<5	
085W1510	16	.50	7.00	>20.00	<.002	70	N	<10	N	<10	N	<5	N	10	<5	
085W1520	15	1.00	7.00	>20.00	*007	150	N	<10	N	<10	N	<5	N	10	<5	
085W1530	15	.50	7.00	>20.00	*010	150	N	<10	N	<10	N	<5	N	7	<5	
085W1540	15	.70	7.00	>20.00	*010	150	N	<10	N	<10	N	<5	N	7	<5	
085W1550	15	.70	7.00	>20.00	*010	100	N	<10	N	<10	N	<5	N	5	<5	
085W1560	15	.70	7.00	>20.00	*030	200	N	<10	N	<10	N	<5	N	7	<5	
085W1570	15	.50	7.00	>20.00	*015	200	N	<10	N	<10	N	<5	N	5	<5	
085W1580	15	.70	>10.00	>20.00	*050	200	N	<10	N	<10	N	<5	N	5	<5	
085W1590	15	1.00	>10.00	>20.00	*050	200	N	10	N	10	N	<5	N	7	<5	
085W1600	15	1.00	>10.00	>20.00	*070	700	N	10	N	100	N	<5	N	5	<5	
085W1610	14	1.50	>10.00	>20.00	*100	1,000	N	15	N	150	N	<5	N	10	<5	
085W1620	14	1.50	>10.00	>20.00	*070	1,000	N	15	N	70	N	<5	N	7	<5	
085W1630	14	2.00	>10.00	>20.00	*070	1,000	N	15	N	100	N	<5	N	7	<5	
085W1640	14	2.00	7.00	>20.00	*100	1,500	N	20	N	70	N	<5	N	10	<5	
085W1650	14	2.00	10.00	>20.00	*050	2,000	N	15	N	70	N	<5	N	7	<5	
085W1660	13	1.50	10.00	>20.00	*050	3,000	N	10	N	100	N	<5	N	7	<5	
085W1670	13	1.50	7.00	>20.00	*070	2,000	N	10	N	100	N	<5	N	7	<5	
085W1680	13	1.50	10.00	>20.00	*050	2,000	N	<10	N	100	N	<5	N	5	<5	
085W1690	13	1.50	>10.00	>20.00	*150	1,500	N	20	N	100	N	<5	N	15	<5	
085W1700	13	1.50	7.00	15.00	*200	1,000	N	20	N	700	N	<5	N	10	<5	
085W1710	13	1.00	7.00	15.00	*200	700	N	<10	N	700	N	<5	N	5	<5	
085W1720	13	1.50	7.00	20.00	*200	700	N	10	N	1,000	N	<5	N	7	<5	
085W1730	13	1.50	10.00	20.00	*150	500	N	10	N	500	N	<5	N	70	<5	
085W1740	13	2.00	10.00	>20.00	*100	700	N	15	N	200	N	<5	N	50	<5	
085W1750	13	1.00	>10.00	>20.00	*010	700	N	<10	N	200	N	<5	N	20	<5	
085W1760	13	1.00	>10.00	>20.00	*010	500	N	<10	N	200	N	<5	N	5	<5	
085W1770	13	1.00	>10.00	>20.00	*015	300	N	<10	N	50	N	<5	N	100	<5	
085W1780	13	1.00	>10.00	>20.00	*100	500	N	10	N	150	N	<5	N	50	<5	
085W1790	13	1.00	10.00	20.00	*100	500	N	10	N	300	N	<5	N	70	<5	
085W1800	13	1.50	>10.00	20.00	*150	500	N	15	N	700	N	<5	N	70	<5	
085W1810	13	1.50	10.00	20.00	*150	700	N	20	N	200	N	<5	N	50	<5	

Sample	S-P _B	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
085W1370	1.0	N	<1.00	<10	N	<10	10	10
085W1380	1.5	N	<1.00	10	N	10	10	10
085W1390	1.0	N	<1.00	<10	N	10	5	5
085W1400	2.0	N	<1.00	10	N	<10	15	15
085W1410	2.0	N	<1.00	<10	N	<10	10	15
085W1420	2.0	N	<1.00	10	N	<10	25	10
085W1430	1.5	N	<1.00	<10	N	<10	10	10
085W1440	2.0	N	<1.00	10	N	<10	10	10
085W1450	1.0	N	<1.00	<10	N	<10	10	10
085W1460	1.0	N	<1.00	<10	N	<10	10	10
085W1470	1.0	N	<1.00	<10	N	<10	10	10
085W1480	<10	N	<1.00	<10	N	<10	10	10
085W1490	2.0	N	<1.00	<10	N	<10	15	15
085W1500	1.5	N	<1.00	<10	N	15	10	10
085W1510	7.0	N	<1.00	<10	N	10	10	10
085W1520	5.0	N	N	<10	N	<10	25	25
085W1530	3.0	N	N	<10	N	15	10	10
085W1540	5.0	N	N	<10	N	15	10	10
085W1550	3.0	N	N	<10	N	<10	15	15
085W1560	2.0	N	N	<10	N	15	5	5
085W1570	2.0	N	N	<10	N	15	10	10
085W1580	2.0	N	<1.00	<10	10	30	5	5
085W1590	2.0	N	<1.00	<10	15	30	5	5
085W1600	1.5	<5	<1.00	10	20	50	5	5
085W1610	1.5	5	<1.00	15	20	50	5	5
085W1620	1.5	<5	<1.00	15	30	100	5	5
085W1630	1.5	<5	<1.00	10	50	100	5	5
085W1640	1.0	<5	<1.00	20	50	150	5	5
085W1650	3.0	<5	<1.00	15	20	50	10	10
085W1660	1.5	<5	<1.00	10	20	50	10	10
085W1670	1.0	<5	<1.00	10	30	100	5	5
085W1680	2.0	<5	<1.00	10	30	50	5	5
085W1690	2.0	<5	<1.00	15	50	70	10	10
085W1700	2.0	5	<1.00	30	30	200	5	5
085W1710	3.0	5	<1.00	30	30	300	5	5
085W1720	3.0	5	<1.00	30	20	300	5	5
085W1730	2.0	5	<1.00	20	20	300	5	5
085W1740	2.0	<5	<1.00	15	20	200	10	10
085W1750	2.0	N	1.50	10	10	20	20	20
085W1760	2.0	N	<1.00	10	10	20	10	10
085W1770	2.0	N	<1.00	<10	10	50	10	10
085W1780	2.0	N	<1.00	10	15	150	5	5
085W1790	2.0	<5	<1.00	10	20	200	10	10
085W1800	2.0	<5	<1.00	15	30	300	5	5
085W1810	2.0	5	<1.00	15	20	100	10	10

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NI
085W1820	13	2.00	>.02	20.00	.100	700	N	15	150	1.5	5	20	5	50	N	5
085W1830	13	1.50	>.02	>.05	.070	700	.5	15	100	1.5	5	<10	<5	30	N	<5
085W1840	13	1.50	>.02	>.05	.050	500	N	10	70	1.0	N	<10	<5	30	N	<5
085W1850	13	1.50	10.00	>.05	.070	700	N	10	100	1.0	5	<10	<5	50	N	<5
085W1860	13	1.50	10.00	20.00	.050	700	30.0	10	100	1.0	5	20	5	30	N	5
085W1870	13	1.00	10.00	20.00	.050	500	N	10	70	1.0	5	<10	<5	50	N	<5
085W1880	13	1.50	10.00	20.00	.050	700	N	10	50	1.0	5	<10	<5	70	N	<5
085W1890	13	1.50	7.00	20.00	.070	1,000	N	15	100	1.0	5	<10	<5	70	N	<5
085W1900	13	2.00	7.00	20.00	.070	1,200	N	<10	100	1.0	5	<10	5	70	N	5
085W1910	13	1.50	7.00	20.00	.020	1,500	N	10	50	1.5	5	20	5	50	N	<5
085W1920	13	3.00	7.00	20.00	.015	1,500	N	<10	30	1.0	5	20	5	50	N	5
085W1930	13	2.00	5.00	20.00	.050	2,000	N	20	50	3.0	5	20	5	50	N	7
085W1940	13	2.00	5.00	20.00	.070	2,000	N	20	70	3.0	5	20	10	50	N	5
085W1950	12	1.50	5.00	10.00	.070	700	N	15	150	5.0	5	20	15	50	N	10

Sample	Form	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-B	S-AS	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO
085W1960	12	1.00	3.00	1.50	.200	200	N	N	20	150	1.0	5	20	5	50	S
085W1970	12	.50	1.50	1.00	.150	100	N	N	<10	200	1.0	N	<10	5	30	S
085W1980	12	.70	.50	.50	.100	50	N	N	<10	150	1.0	5	<10	5	30	N
085W1990	12	.50	.20	.50	.150	50	N	N	<10	150	1.0	<5	<10	5	50	N
085W2000	12	1.00	.50	1.00	.200	200	N	N	<10	200	1.0	5	<10	7	50	N
085W2010	12	.15	.07	.30	.100	20	N	N	<10	300	1.0	<5	<10	5	30	N
085W2020	12	.15	.10	.20	.200	10	.5	N	<10	150	1.0	<5	<10	5	50	N
085W2025	12	.15	.10	.30	.150	<10	N	N	<10	100	1.0	<5	<10	5	50	N

Sample	S-PB	S-SC	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
085W1820	20	5	150	15	20	N	70	15
085W1830	15	<5	150	10	15	N	50	5
085W1840	10	<5	150	<10	15	N	70	10
085W1850	15	5	200	<10	20	N	100	10
085W1860	20	5	150	<10	15	N	150	5
085W1870	15	<5	100	<10	20	N	50	5
085W1880	15	5	100	20	20	N	100	5
085W1890	12	7	100	20	30	N	50	5
085W1900	30	7	100	20	30	N	200	15
085W1910	10	<5	<100	20	20	N	70	5
085W1920	10	5	<100	20	30	N	100	15
085W1930	20	5	<100	20	30	N	70	5
085W1940	20	5	<100	20	30	N	500	5
085W1950	20	<5	<100	20	30	N	1,000	20

Sample	S-NI	S-PI	S-SS	S-SC	S-SN	S-SR	S-V	S-Y	S-ZN	S-ZR	AA-ZN
085W1960	<20	20	15	N	<5	N	<100	20	15	N	>1,000
085W1970	<20	10	20	N	<5	N	<100	15	20	N	1,000
085W1980	<20	5	20	N	<5	N	<100	15	15	N	500
085W1990	<20	5	20	N	<5	N	<100	15	20	N	700
085W2000	<20	5	20	N	<5	N	<100	20	20	N	500
085W2010	<20	5	10	N	<5	N	<100	15	15	N	>1,000
085W2020	<20	15	10	N	<5	N	<100	20	50	N	500
085W2025	N	5	10	N	<5	N	<100	20	10	N	300